acst
#48

FREDERIC W. LINCOLN JR.
MATHEMATICAL INSTRUMENT
Maker AND
NAUTICAL STATIONER
No 62 Commercial St
BOSTON.
LOG BOOKS

SEAMAN'S JOURNAL.

JOURNAL OF A VOYAGE,

From *to* *in*

the *commanded*

by

Begun 18 *and*

terminated 18

KEPT BY

BOSTON:

SOLD BY ALLEN & CO. STATIONERS,

No. 72 STATE STREET,

Who keep constantly for Sale, Navigators, Coast Pilots, Shipmaster's Assistants, Lunar Tables, Ready Calculators, Nautical Almanacs, Gunter's Scales, Dividers, Log Slates, Cargo Books, Memorandum Books, Penknives, Ink, Quills, Pocket Books, Steel Pens, &c. &c. together with an extensive variety of Stationery and Fancy Articles.

ALLEN & COMPANY, PRINTERS AND PUBLISHERS, 72 STATE STREET, BOSTON.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Friday day of May 21st 1852*
1						At noon set under way
2						with a fair breeze from the
3						W and fine clear weather.
4						At 1.30 P.M. Discharged the pi-
5						lot.
6						At 3 P.M. set all the Marsford
7						studding sails, wind from
8						the N.W.
9	6	4	S. by E.	N.W. by N.		At 8 P.M. Cape Cod light bore
10	6	4				south fifteen miles distant
11	4					Race Point light N.E. by E.
12	4					At 9 P.M. the light of Long
1	4					Island bearing N.W. by W.
2	4			N.W. by W.		During the night moderate
3	4					breezes and clear.
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					41.27 N	9°		68.45	

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Saturday day of May 22 1852*
1	2		S. by E.	W.		First part light breezes
2	2					from the W with fair
3	4					clear weather.
4	4					
5	4			S.W.		
6	4					
7	4					
8	4					
9	5					
10	5					
11	6		E. by S.			
12	6					
1	5					
2	5					
3	5					
4	5	4				
5	4					
6	4					
7	6			E. by S. & S.		
8	8					
9	7	4				
10	7	4				
11	7	4				
12	7	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					40.58 N				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of May 23 1852*
1	7		S.S.E.	S.W.		First part clear weather and thin breezes. Last part light cloudy sky
2	7					
3	3		S.by E.			
4	3					
5	5	4				
6	6	4				
7	6	4	N.by E.			
8	6	4				
9	7					
10	7					
11	7					
12	7					
1	7					
2	7					
3	6	4				
4	6	4				
5	6	4				
6	6	4				
7	6	4				
8	6	4				
9	6	4				
10	6	4	N.by E.	N.W.		
11	6	4				
12	7	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					39°5'N				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of May 24 1852*
1	5		S.E.by E.	S.W.		Moderate winds and light cloudy sky. Saw a strange ship to the N.
2	5					
3	5					
4	5					
5	5		S.E.by E.			
6	5					
7	5					
8	7					
9	7					
10	7					
11	7					
12	7					
1	7					
2	7					
3	7					
4	7					
5	7					
6	7					
7	7					
8	7					
9	7					
10	7					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					39°15'N		3°35'E		

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* day of 18
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* day of 18
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Thursday *day of* May 9 18 52
1	3		S E	W.S.W		Begins with the first [illegible]
2						from W.S.W. to all points
3						of the
4						compass
5	2					Wind the same through
6	2					the night
7	2					
8	2					
9	1		SE by S			
10	1					
11	1		SE by S			
12	1					
1	1					
2	1					
3	1					
4	1					
5	1					
6	1					
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					34 25 N			49° 30'	

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* *day of* 18
1	3		S S E	W		First part light airs from
2	3					the W and fine weather
3	3					
4	3					
5	2					During the night the same
6	2					
7	2					
8	2					
9	2					
10	2					
11	2					
12	2					
1	2					
2	3	4				
3	3	4				
4	3					
5	3					
6	3		S E by S			
7	3					
8	3					
9	4		S E			
10	4					
11	5	4	S E by S			
12	6	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					35° 4'				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Saturday day of* 18
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of May 30* 18 52
1	7		Sby E.	N.N.W.		First part a gentle breeze
2	7					from N.N.W and fine weather
3	7					
4	7					
5	6		S.S.E			
6	6					
7	6					During the night passing
8	6					6 knots
9	6					
10	6			N.N.W		
11	7					
12	7					
1	7	4				Bar 30.26 Ther 73
2	7	4				
3	7	4				
4	7	4				
5	7	4				
6	7	4				
7	8	4				
8	8	4				
9	8	4				
10	8	4				
11	9					
12	9					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					31' 38				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of 31 May 1852
1	9		SSE	West		Begun with a fresh breeze from the West and passing squalls.
2	9					
3	9					
4	9					
5	8	4				
6	8	4				
7	8	4				During the night much the same
8	8	4				
9	8	4				
10	8	4		W NW		
11	8	4				
12	8	4				Last part a fresh breeze and passing clouds.
1	8					
2	8					
3	8	4				
4	8	4				Bar 30-12 Ther 14
5	8	4				
6	8	4				
7	8	4				
8	8	4				
9	8					
10	8					
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SSE	202	186'	77 3	29°3'	29°6'			41 42W	

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of 1st June 1852
1	9		SSE	W SW		First part a fresh breeze from the W and fine weather.
2	9					
3	9					
4	9					
5	9					
6	9					
7	9					
8	9					
9	8					Middle and latter more moderate.
10	8					
11	8					
12	7					
1	7					
2	7					
3	7			W NW		Bar 30 20. Ther 74
4	7					
5	7					
6	7					
7	7					Twelveth day out
8	7					
9	7					
10	7					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SSE	186	2°52'	1°11'	26°14'	26°56'		2°13'	39°29W	

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday day of June 2 1852
1	6		S S E			First part moderate breze
2	6					and clear.
3	3	4				
4	3	4				
5	3	4				
6	3	4				During the night light breezes
7	3					
8	3					
9	5					
10	4	4				
11	4	"				
12	4	"				Bar 30 32 . Ther 76
1	4					
2	4					
3	4					
4	3					
5	3		S by E			
6	3					
7	3					
8	3					
9	3					
10	3					Thirteenth day out .
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 16° E	98	1° 09'	0° 31'	25° 45'	25° 46		1 83'	37° 46' W	

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday day of June 3 1852
1	3		S by E	West		First part light breze
2	3					and clear.
3	3					At 7 P.M. the wind veered to the
4	3					N & E. Set Studding sails &c.
5	3					
6	3					
7	3					
8	4					Middle and latter part much
9	4	4	S S E	N N E		the same .
10	4	4				Bar 30 34 Ther 77
11	4	4				
12	4	4				
1	4	4				
2	4	4				
3	4	4				
4	4	4		N E		
5	4					Fourteenth day out
6	4					
7	3					
8	3					
9	3					
10	3					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 25° E	92	1° 23'	0° 38'	24° 23'	24° 40' N	1 W	45'	37° 2'	

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Friday day of June 4th 1852*
1	5		S by E	E N E		First part, moderate breeze
2	5					& clear weather.
3	5					
4	5					
5	5	4	S by E ½ E			
6	5	4				
7	5	4				
8	5	4				During the night a gentle
9	6	4				breeze and clear
10	7		S E			
11	7					
12	7					
1	8					Last part moderate
2	8					
3	8					
4	8					Bar 30 28 Ther 76
5	7		S by E			
6	7					
7	7					
8	6					
9	6					
10	6					
11	5	4				
12	5	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 38 E	168	3.22	1 1 8	21° 22'	22 36 N		2° 14'	34° 26'	

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Saturday day of June 5th 1852*
1	6		S by E	E N E		First part a gentle breeze
2	6					and clear.
3	6					
4	6					
5	6		~~S by E ½ E~~			During the night a fresh
6	6					breeze and passing clouds
7	6					
8	6					
9						Last part clear.
10			~~S E~~			
11	7		S ½ E			
12	7					
1	7		S by W			Bar 30 24. Ther 76
2	7					
3	6	4				
4	6	4	South			
5	6		~~S by E~~			
6	6		S. ½ W			
7	6					Sixteenth day out
8						
9	7	4				
10	6					
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S	138	2.34	22.6	19.94	20.03				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of June 6th 1852*
1	7		South	E N E		This is my third Sunday on the
2	7					ocean. And as it is the com-
3	7					mencement of a week I intend
4	7	4				to commence making remarks
5	8	4				of my own instead of copying
6	8					them from the log.
7	8	4				On Sunday we do no work ex-
8	9					cept what is necessary for
9	8	4				working ship.
10	8	4				So far, I have not been
11	8	4	S by E			sea sick and I am commencing
12	8	4				to think that I am to be one of the
1	8					lucky ones.
2	8					I have learned nearly all
3	8		S ½ E			the names of the ropes and
4	8					hope to be able to say, that I have
5	8					learned all by next Sunday
6	7					I can take the Sun at Noon when
7	8					now, and when I have had
8	8					a little more practice shall
9	8					be able to take my regular
10	8					trick.
11	8					Bar. 30.20. Ther. 74
12	8					Twentieth day out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 4° E	184	3.05	14	17° 54′	17° 14′	1 W	.14	34.3[illegible]W	34° 36′ W

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of June 7th 1852*
1	7		S by E	E by S		To day we have had fresh
2	7					breezes and cloudy the
3	7		S by E ½ E			first part and not
4	7					much to do.
5	7		S by E			
6	7	4				Last part a fresh breeze
7	8	4	South			and passing clouds
8	8	4				
9	8	4	S ¾ E			I am sure I cannot tell
10	8	4				what is the matter with
11	8					my writing. Ever since
12	8					I came on board I could not
1	8					make my writing look
2	8					decent, and I must confess
3	7	4				I feel decently ashamed of
4	7	4				it.
5	7	4				
6	7	4	S by E ½ E			Barn 30.24 Ther 75
7	7	4				
8	7	4				
9	8	4				Eighteenth day out.
10	8	4				
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	184	3.02	2.32	14° 12′	14° 24′		1.01	33° 29′	33° 2[illegible]

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Tuesday day of June 8th 1852*
1	8		S by E 1/2 E	East		This day fine weather and fresh breezy all day. There is
2	8					nothing of importance to
3	8					put down. I have commenced to
4	8					grow fleshy in the face al-
5	7					ready and think that in a
6	7					little time I shall be fat
7	7					enough to suit you.
8	7					Part wearing very little
9	8		S S E			clothing now, nothing more
10	8					than a cotton shirt and
11	8		S by E 1/2 E			over-alls. I have not as yet
12	7	4				felt as well as I usually do on
1	7					account of my not being used
2	6					to hard work, in fact I feel
3	6					like a log, and have lost all
4	6					my activity. But my cheer-
5	7					fulness is still the same, and I
6	7					think that as soon as I get used
7	6	4				to the work I shall regain my
8	6	4				activity.
9	6					Bar 30.12 Ther 77
10	6					Nineteenth day out
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 1, E	165	2° 37'	3 E	12.02	12° 04'		5 2	32° 02'	32° 46'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday day of June 9th 1852*
1	6		S S E	East		To day we have had the usual
2	6					quantity of / squaring yards
3	7					washing down decks and the
4	8					other duties which make
5	8					up the routine of duty on a
6	8			E N E		ship.
7	9					I am afraid if you could
8	9					see me all dirty & grimy
9	9					that you would hardly know
10	9					me.
11	9					
12	9					
1	9					Bar 30.15 Ther 79
2	9					
3	8					
4	8					
5	8					
6	7					Twentieth day out
7	7					
8	7					
9	7					
10	7					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S E	188	2° 33'	1.09	9° 09'	9° 31'		1.19	29° 53'	31° 45'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thursday day of 10 June 1852*
1	8		SSE 1/2 E	E by N		The first part of to day we
2	8					have had fresh breezes and
3	8					clear weather.
4	8					In the afternoon the trades
5	8					left us, and since then we
6	8					have had light breezes calms
7	8					squalls, rain again, which
8	8					makes it rather unpleasant
9	8					work.
10	8	4				This weather will last
11	8	4				us till we get down the
12	8	4				other side of the line, we
1	8					shall strike the SE
2	8					trades.
3	8					Since we have caught some
4	8					rain water all hands have
5	8					very washing, and I have
6	8					washed out [illegible] clothes.
7	4		S 1/2 W	SE by E		
8	4					Bar 30 14 Ther 77
9	2		S by W			
10	2					
11	2		W S W			Twenty one days out
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 20 W	240			7.54	7° 46'		1° 31'	29° 5'	27° 14' W

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Friday day of 11 June 1852*
1	2		SE by S	S West		
2	2					To day we are having a decided
3	2		S SE			wet day of it; it is nothing
4	3					but one steady downpour of
5	4		E SE	South		rain all the while. Oil clothes
6	3					are not of much use, especially
7	2		SE by E 1/2 E	S by W		such oil clothes as mine.
8	2					All hands have taken off
9	1					their shoes and are wa-
10	1					ding round the decks bare
11	1					footed.
12	1					
1	2		S SE			
2	2					
3	2					
4	2					Bar 30 10 Ther 76
5	0					
6	0					
7	2		E			Twenty two days out
8	2					
9	1					
10	1					
11	1					
12	1					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S E	40	2° 25'	1° 21'	7°	5° 14'		8° 28'	40	28 48'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of June 12 1852
1	1		S	Variable		This day light breezes and
2	1					calms till 5 PM when we
3	1			Calms		had a pleasant Squall
4	1					from the S
5	1		S E			
6	0					
7	1					I am happy to be able to
8	1					say that I have already begun
9	1					to gain flesh and if I keep
10	1					on gaining at this rate
11	1	4				I shall not be under the
12	1	4				necessity of stuffing cotton
1	1	4	S S E ½ E			into my cheeks.
2	1	4				
3	1	4				
4	1	4				Bar 30 10 Ther 77
5	1					
6	2	4				No Ob
7	2		S E by E	S by W		
8	4					
9	4		S E			Twenty three days out
10	3					
11	4		S S E	W		
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 19 E	44	0°33'	0°10'	6°42		1°W	20'	28°20	

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of June 13 1852
1	2		S by E	W		You will see by examining
2	2					the last column that we
3	3	4				have not been messed
4	3	4		Variable		much to day, but it seems
5	1					to me that there is more to
6	1					be done when it is calm than
7	1		S E by S			in a good breeze.
8	1					
9	1					
10	0		Calm			
11	0					Bar 30 15 Ther 82
12	0					
1	0					
2	0					
3	0					
4	0					Twenty four days out
5	0					
6	0					
7	1		S by E	E N E		
8	1					
9	1					
10	1					
11	1					
12	1					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 10 E	22	0°15'	0°4'	5°12'	5°04'	1°W	0°9'	28°11	

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of June 14 1852
1	2		South	NE		First part a gentle breeze from the N & E and fair clear weather
2	2					
3	3					
4	3					
5	3					
6	3					During the night a light breeze and clear
7	2					
8	2					
9	2					
10	2	4				
11	2	4	East			
12	2	4				
1	2					
2	2					Bar 30 14 Ther 83
3	2					
4	2					
5	3					
6	3					
7	4					
8	4					Twenty five days out
9	4					
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 19 E	78	1.2'	0,30'	5,50'	5°54'		0°32'	24°47	24°50'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of June 15 1852
1	4		South			Begins with a moderate breeze from the E and fine weather
2	4					
3	4					
4	4					
5	4					At 5 P M a heavy squall from S & E. took in all the Stud sails and light sails. This was the first heavy squall that we have had since we left. It rained very hard, and soaked all hands could do through, my self not excepted
6	3		West	East		
7	3					
8	3					
9	3		Sett			
10	4					
11	4			S S E		
12	4					
1	3					
2	3					
3	4					
4	4					Bar 30 12 Ther 81
5	4			Sky E		
6	4		Sett by Hyp 44			
7	8					
8	8					
9						Twenty six days out
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 30 W	103	1,20	0'48	4°35'	4°34'				24°36

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday day of June 1852*
1	7		N S W	South		First part of to day a fresh
2	7					breeze from the South.
3	7					
4	7					There has nothing of much
5	7		S W by W ½ W			importance happened to
6	7					day. In the afternoon saw
7	7		S W ¼ W	S S E		a Schooner. I am beginning to
8	7					be my self again, and hope
9	7		S W ½ W			that in a little while I shall
10	7					be all right.
11	7					
12	7					
1	6		S W			
2	5					
3	6					Bar 30 10 Ther 81
4	6					
5	6		S W ½ W			
6	6					
7	6					
8	6					Twenty seventh day out
9	6		S W			
10	6					
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 20 W	1 : 3	1' 1'	0 : 3 6'	3° 1 6	3° 1 7				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thursday day of June 1852*
1	4		S W			First part of to day light
2	4					breezes and fair weather.
3	4					
4	4					At 4 I reached ship to
5	4		S W ½ S			the East.
6	4					If you could see me as I
7	3					am now, with a straw hat
8	3					on, a cotton shirt with the
9	1	4				sleeves rolled up, a pair of
10	4	4				over-alls on rolled up to my
11	4	4	[illegible]			knees, my belt and sheath
12	4	4				round my body, my hand
1	2		S W by W			all stained with tar, face
2	2					all tanned with exposure,
3	2					I think you would have to
4	2					look twice before you would
5	1		E	S S E		know me.
6	2					
7	2		E S E	W		Bar 30 12. Ther 81
8	2					
9	1		S E	Variable		
10	1					Twenty eight days out
11	1					
12	1					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 5° W	4 5	0° 4'	0 : 4 [illegible]	3° 1 5	3° 1 4'				[illegible]

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of June 18 1852
1	5		E S E	South		Early this morning a vessel
2	5					was seen on the lee bow and
3	5					by noon she was near enough
4	5					to make out her name. She
5	5	4				proved to be the John Quincy
6	5	4				Adams which sailed ten
7	5					days before us. We kept in
8	5					company with her all day
9	5		E by S			each of us sailing with nearly
10	5					the same speed. During the
11	4					first part of the night she
12	4					had the advantage and
1	4		E S E			crossed our bows, but during
2	4					the latter part of the night
3	4	4				we dropped her astern, And
4	4	4				the next morning she was
5	5	4	E by S			on our weather quarter about
6	6					five miles distant.
7	6					
8	6					Bar 30 12 Ther 79
9	6		~~S S E~~ East	S S E		
10	6					Twenty nine days out
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 10° E	123	0° 36'	0° 95'	3° 43'	3° 45'		1° 34'	28° 54'	28° 56'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of June 19 1852
1	4		E	S S E		To day we have had fine weather
2	4					and fresh breezes from the South
3	5	4				E. Saturday we always have
4	5	4				watch and watch so as to give
5	5		E by N			the men a chance to clean out
6	5					the forecastle.
7	5		S E ½ S			To day we have my afternoon
8	5					watch from 12 to 4 on deck.
9	5					Every Saturday afternoon
10	5					aboard ship we have to slush
11	5					down the masts, ~~and every other~~
12	5					~~Saturday afternoon~~ I by going
1	5					of recreation I take my bucket
2	5					full of ~~grease~~ slush and go
3	5					up to the royal mast head
4	5					and slush downwards.
5	5					
6	5					
7	5					Bar 30 11 Ther 80
8	5					
9	5	4	S S E ½ S			
10	5	4				
11	5		S S E ½ S			Thirty days out
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 5 W	122	48	74	2° 55'	2° 57'		1° 4'	25° 50'	

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of June 20 1852*
1	5		S S W	S E by E		To day opened as all Sundays
2	5					ought to, with a clear sky and
3	5		S by W ½ W			a fair breeze. After the decks
4	5					were washed down the men
5	5	4				changed their clothes and came
6	5	4				out in their Sunday rig. After
7	5	4	S by W			breakfast was over the men
8	5	4				commenced smoking reading
9	5	4	S by W ½ W			loafing mending &c. You would
10	5					be surprised to see some of the
11	4	4				sailors who are very profane
12	4	4				come out of a Sunday morning
1	4		S S W			and read their bibles with as
2	4					much seriousness as a minister
3	4	4				During the after forenoon a
4	4	4				shoal of flying fishes came under
5	5					our bows but were soon frightened
6	5					off by some porpoises.
7	5					
8	5					Bar 30 16 Ther 79
9	5		S by W ½ W			
10	5					Thirty one days out
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 20 W	11 9	1,8 6	2 6	1° 6'	1° 7			2 8 4 2	2 8 4 4

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of June 21 1852*
1	5		S by W	S E by S		I am sorry to be obliged to say
2	4	4				that one of my teeth has taken
3	4	4				to aching exceedingly and if it
4	4	4				continues to P shall have it taken
5	4		S ½ W			out.
6	4					To day we shall cross the line
7	4		South	E S E		and if ~~Bill~~ and, myself can
8	4					raise any liquor we intend to
9	4					stand treat to the whole crew.
10	4					At 12 A M P found by observ-
11	4	4	S ½ W			ation that we were 36 miles
12	4	4				south of the line; and I am
1	4	4				happy to say that Neptune
2	4	4				did not see fit to visit us.
3	5		S by W ½ W	S E		
4	5	4				
5	5					Bar 30 17 Ther 80
6	5					
7	5					Thirty two days out
8	5					
9	5					
10	5					
11	4	4				
12	4	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 19 W	10 9	1 4 6	0,2 6	0° 3 8'	0,5 4'		5 2 0'	0 2 8'	2 9

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of June 22 1852
1	4		S by W ½ W	S E		To day I have been at work
2	3	4				on regular boys drudgery,
3	3	4				viz: knocking the rust off of some
4	3	4				chain.
5	3	4	S ½ W			I think if you could see
6	3	4				all the dirty jobs I have
7	3	4	South	E S E		every day you would be apt
8	3	4				to wonder at my liking
9	3	4				the sea. I being the 2nd eldest
10	3	4				boy can do nothing more
11	3		S by W			than any ship's boy can.
12	3	4				I think that my love for
1	4					the sea is now steadily
2	4					on the increase and I
3	4	4				have overcome that heav-
4	4	4				iness of body that I complained
5	4	4	S ½ W			of some time ago I think
6	4	4				that I stand something
7	3		S S W ½ W	S E		of a chance of making
8	3					a sailor.
9	3					
10	3					Bar 30 1/2. Ther 80
11	3					
12	3					Thirty three days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
		1° 38	13	2° 32			1° 21'	31. 26	31° 21'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday of June 23 1852
1	4		S S W ½ W	S E ½ S		First part of to day a
2	4					fresh breeze from the S & E.
3	4					Saw a ship steering to the S
4	4					& W.
5	4					I find that my two greatest
6	4					drawbacks against making
7	4					a good sailor is careless-
8	4					ness and forgetfulness, and you
9	3	4				have no idea what a quantity
10	3	4				of trouble they cause me. But
11	3	4				I am determined to conquer
12	3	4				them both and I think I
1	3	4				have already made some
2	4	4	E S E			progress towards it.
3	4	4				From 8 to 12 P M squally with
4	4					rain, took in the Royals.
5	4					
6	4					
7	4					Bar 30 1/2. Ther 79
8	4					
9	4					
10	4					Thirty four days out
11	4	4				
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	9	1° 12'	8 33	3° 0 2	3° 0 1' S		1° 1'	32. 2 S	32° 3 8'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thursday day of June 24 1852.*
1	5		S by W	S E		Commences with a moderate breeze from the S & E and a heavy head Sea.
2	5					
3	5					
4	4					
5	4		S S W ½ W			At 7 PM took in the royals.
6	4					8 to 12 fresh gales and squally with rain.
7	5		S S W			
8	5					
9	5		S by W			12 to 4 much the same, split fore topgalant sail.
10	5					
11	5		S S W ½ W			Morning much the same, bent new fore topgal sail.
12	5					
1	5		S S W			Latter part a fresh breeze and heavy sea.
2	5					
3	5					I have had as much of this squally weather as I want.
4	5					
5	5					It is very difficult writing as I must be as brief as possible.
6	5					
7	5		S by W	S E by E		Bar 30 14. Ther 81
8	5					
9	6		S by W ½ W			
10	6					Thirty five days out
11	6		S S W			
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	121	1°38'	1°55'	4.38S	4°39S				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Friday day of June 25 1852.*
1	6		S S W	S E		Commences with squalls
2	6					and rain. At 4 PM saw land
3	6					on the lee bow which proved
4	6					to be a part of the coast of
5	6		S S W ½ W			Brazil. At 5 PM tacked
6	4					ship and stood out to sea.
7	6		S S W			The rest of the day passed
8	6					without anything worthy of
9	6					notice.
10	6					
11	5					
12	5					Bar 30 19. Ther 80
1	5		S S W ½ W			
2	5					
3	5					
4	5		S S W by S			
5	5		S S W			
6	5		E by S			Thirty six days out
7	5					
8	5					
9	6		S W by S			
10	6					
11	7		S S W ½ W			
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 19 W	121	115	1° 14'	5° 5'	5° 32'			34° 24'	34° 25'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Saturday day of June* 18 32
1	6		S S W 1/2 W			Commenced with a brisk
2	6					breeze.
3	6		S S W			Continued the same through
4	6					the day.
5	6		S 1/2 W	S S E		Night squally with rain.
6	6					
7	5		E 1/2 N			This morning we split our
8	5					fore topsail and was employed
9	5		E			all the morning in bending
10	6					a new one.
11	5		E by S	S by E		Now were sailing against
12	5					a heavy head sea we I was
1	5					wet through about a dozen
2	5					times during the morning,
3	5		E	S S E		but at sea in warm
4	5					weather one makes nothing
5	6					of being wet through, for if
6	6		E by N	E S E		it is a clean day you soon
7	5		S by W			become dried. Wind down.
8	5					This afternoon take headsails
9	6		S W 1/2 S	S S E 1/2 E		again and saw the land.
10	6					
11	6					Bar 30 12 Ther 73
12	6					Thirty seven days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
									34° 21'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of June* 18 32
1	7		S W 1/2 S			Commenced with a strong
2	7					breeze and clear.
3	7		S W			Continued the same through
4	7					the day.
5	7		E 1/2 S			To day being Sunday the
6	6					men have put on their best
7	6		E S E	South		clothes, and are lounging
8	6					round the decks.
9	5		E 1/2 S			Bill and myself after we
10	5					have washed ourselves and
11	5		E S E			dressed us, read in the bible.
12	5					then light our pipes and talk
1	4		E by S			of home for awhile, wondering
2	3					what you are all doing, and
3	5		S W by S			conclude our prayers for you
4	6					all and go with what was
5	5					ashore. After this we do what
6	5					ever we like for the rest
7	5		S			of the day.
8	5					
9	5		S S W			Bar 30. Ther 80
10	5					
11	5		S W by S			Thirty eight days out.
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S	128			4° 48'	4° 30'		5° 8'	34° 19'	34° 22'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of June 28 1852*
1	5		S by W	S S E		Commences with moderate
2	5					breezes from the S and E and
3	5					fine weather. At noon saw
4	5					the land.
5	5		E by S			At 3 o after S tacked ship.
6	5					At 7 took in the royals
7	4					& to 12 light breeze and clear
8	4					at ten wind veered to the east
9	4					Tacked to the S.
10	3					Set the royals.
11	3		South	E by S		Last part squally with
12	3					rain.
1	2		S by E			
2	2					Bar 30 14 Ther 78
3	2					
4	2					
5	4					
6	4			East		Thirty nine days out
7	4					
8	4					
9	2		South			
10	1					
11	0					
12	0					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 20 E	90	0° 21'	0° 69'	7° 10'	7° 11'		1° 12'	34° 11	34 10

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Tuesday day of June 29 1852*
1	2		S W by S	S E by S		First part is moderate breezes
2	3					from the S and W and fine
3	4		S W	S S E		weather
4	4					
5	4		S W by W & W			At 4 P M squally took in the
6	3		E by S			royals.
7	1		S by E			Continued squally with
8	1					rain during the night.
9	6					You have no idea what
10	6					uncomfortable work it is
11	6		S by E			writing aboard ship with
12	6		S by W & W			the vessel rolling and pitch-
1	5					ing about.
2	5					
3	5					Bar 30 Ther 75
4	5		E by N & N	S E by S		
5	6					Forty days out
6	6					
7	6		S S W			
8	6					
9	5	4	S S W & W			
10	3	4				
11	5	4				
12	5	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 6 E	114	0° 41'	1° 5'	7° 49'	7° 52'		12	34 20	34 21

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday day of June 30 1852*
1	5	4	SWbyS			First part a brisk breeze and clear.
2	5	4				
3	5	4	SW½S			Middle part squally with rain.
4	5	4				
5	5	4	East			Last part the same.
6	5					At 5 P.M. split main top mast stay sail.
7	5					
8	5		E½N			You have no idea what uncomfortable things these squalls are. The first you see of them is a black cloud rising to windward, next it commences to blow so that the lighter sails are clewed up, then in commences raining, and how it rains, suffice it to say that in two minutes you are completely soaked through, and are obliged to remain so for the rest of your watch on deck.
9	5					
10	5					
11	5		SbyW			
12	5					
1	4					
2	4		SWbyS			
3	4		ASE			
4	3					
5	4	4	East	SSE		
6	4	4				
7	4	4				
8	4	4	SWbyS			
9	5					
10	5					
11	5		SbyW			Barometer. Thermo
12	5					Forty one days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S13°W	111	0°22'	89	8°12'	8°14'		0°10'	34°10'	34°15'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thursday day of July 1 18*
1	6		SSWbyW			First part strong breeze and squally.
2	6					
3	6					Saw a brig standing to the Nandezi.
4	6					
5	6		SbyW			At 8 A.M. passed a vessel which the Capt thought was an American by our showing our colors she proved to be a Danish vessel much to our disappointment, for we were in hopes of being reported at home.
6	7					
7	6		SWbyS			
8	5					
9	7		SSW			
10	8					
11	8					
12	8					
1	6					Continued to blow a fresh breeze during the day.
2	6					
3	6		SbyW			
4	6					
5	7					Barometer Thermo
6	7					
7	7					
8	7					Forty two days out
9	7					
10	7					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	167	1°22'	145'	9°32	9°32		0°32'	34°43	34°14

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Friday day of July 2nd 1852*
1	7		SSW½W	SE½S		Commences with a fresh breeze
2	7					from the S & E and fine weather
3	7					with a heavy sea.
4	7					6 to 8 continued much the same
5	7					split main royal and sent
6	7					down the yard.
7	6	4	SWbyS	EbyS		We had now passed through
8	6	4				the equally latitude and are
9	6		SW½S			enjoying fine weather again
10	6					which will last for a week or
11	6					so, and then look out for bad
12	6					weather. I am busy oiling my
1	6					oil clothes tanning and greasing
2	6					my boots and making every
3	6					preparation possible for bad
4	6					weather. The days are growing
5	6					shorter and shorter and we are
6	7					now having regular fall weather
7	7					by
8	7					Barometer 29
9	6		SWbyS			Forty three days out
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 20° W	147	1° 37	0° 44'	11° 49'	11° 49'				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Saturday day of July 3rd 1852*
1	6		SSWbyS	SEbyS		Commences with a fresh breeze
2	6					and clear weather.
3	6					
4	6					4 to 8 continued fine through
5	6					out the day.
6	6					
7	6		SSW½S			There has nothing worthy
8	6					of note happened to day.
9	6		SSW	SE		
10	6					
11	6		SbyW½W			
12	6					Barometer 29
1	6					
2	7					
3	6					
4	6					
5	6					Forty four days out
6	6					
7	6					
8	6					
9	6					
10	7					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 15° W	150	2° 24'	38'	14° 05'	1400		39.	37° 21'	37° 20'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of July 4 1852
1	6		S by W ½ W	SE ½ E		First part a fair breeze from
2	6					the S and E and fair weather.
3	6					
4	6					Only think of it mother to day
5	6		S S W			is Independence day, and as
6	6					I write it I cannot help
7	5					thinking what a difference
8	5					there is between my situa-
9	5					tion now, and what it would
10	5					be yesterday.
11	6	4	S ½ W	E S E		I have been thinking
12	6	4				most of the day of what will
1	5		S by W ½ W			happen in Springfield to-
2	4					morrow, & the boys with
3	5					their fire crackers and
4	5					cannon. Of the show and pa-
5	5		S S W ½ W			rade that will happen and
6	5					of the fire works in the evening
7	6					in Barnes lot, and a great
8	6					many other things to numerous
9	4					to mention.
10	4					At 8 P.M. was an English brig of war.
11	4		S by S	S E by S		Bar. 30.25 Ther. 76
12	4					Forty five days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 10 W	133	2° 35	0° 25	16° 35	16° 36		0° 34	35° 46	35° 48

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of July 5th 1852
1	4		W S W	S by E		First part a light breeze from
2	4					the West and cloudy weather
3	4	4	S W by W			
4	4	4				
5	4	4	S W by W ½ W			At 5 P.M. took ship to the
6	3	4	S E by E			S and E
7	0	4				
8	3	4	S ½ E	East		In a little while now
9	4		S by E ½ E			George and Jim Ruggles will be home for their Summer
10	5					
11	7					vacation, and I think
12	7					that I can imagine just
1	7					how they feel. George is think-
2	7					ing over of how much pleasure
3	7		S by E			they expect to have out of
4	7					~~Dick~~ Dick. But I must
5	7	4	S ½ E			stop imagining for I
6	7	4				have no time to spare.
7	7	4				
8	7	4	South			Bar. 30.25. Ther. 77
9	7					
10	7					Forty six days out
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 10 E	135	1' 00		15° 36	15° 35		0° 05	35° 43	35° 44.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Tuesday day of July 7th 1852*
1	7		SbyW	East		First part a fine breeze from the E and clear weather.
2	7					
3	7					
4	7					Bent a new main topsail and set all the larboard studding sails.
5	7					
6	7			NE		
7	7		"			
8	7					At 12 P.M. set the starboard main topmast stud sails.
9	7					
10	6	4				
11	6	4				Morning the same set all the starboard stud sails.
12	6	4	"			
1	7					It is very easy work to write
2	7					about setting stud sails, but
3	7			NNE		when you have to go out on the
4	7					end of the Royal yard and arm
5	6	4				and hang on by your eyelids
6	6	4				it is not very easy work.
7	7					So prove which it has made
8	7		SSW			Stearns sick so that she is off
9	7					duty on account of the hand work
10	7					Bar 30 2 when 78
11	7					
12	7					Forty seven days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	165	2°39'	0°39'	26°15'	26°14		0°33'	35°25'	35°28'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday day of July 8th 1852*
1	8		SSWbW	NNW		Commences with a fine breeze
2	8					from the N and a clear ~~weather~~
3	8					sky.
4	8					We have made during the
5	8					last twenty four hours the
6	8		"			greatest run, since leaving
7	9					port, and we have been very
8	9					busy making and taking in
9	9					sail.
10	9		"			
11	9					I am afraid that I shall
12	9					fall short of five hundred
1	9					before the voyage is out on
2	9	4	"			account of my own carelessness, but if I do it will be a
3	9	4				good lesson for me.
4	9	4	"			
5	10					
6	10					Bar 30 Thermo 75
7	10		"			
8	9	4				
9	10					Forty eight days out
10	10					
11	10					
12	10					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
Total	219	3'13'	1°45'	29°4	29°19		1°25'	39°50	39°53'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thursday day of July 9th 1852*
1	9		S by S	N NW		Begins with a fresh breeze
2	8					from the N N W and moderate
3	6					sea.
4	5			NW		Set the royal and fore
5	4					top gallant studding sails.
6	4					
7	4		S W by S	W N W		So day we saw the first
8	3					of the Cape pigeons.
9	1	4				We are now nearly out of
10	4	4				the fair weather latitude and
11	2					cannot expect to see any
12	2			West		more fair weather until we
1	1					have doubled the Cape and
2	1					made twenty degrees of South
3	1					latitude.
4	1					
5	5		S by W			Stevens still continues un-
6	5					well, and seems to be having
7	5		S W by S	West		a hard time of it.
8	3					
9	7			N W		Bar 30 Ther 72
10	9					
11	9					Forty nine days out
12	9			N N W		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 33 W	105	1° 31'	59° 1'	24° 30			1° 0 8'	41° 1'	

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Friday day of July 10th 1852*
1	8		S W	N N W		Commences with a fresh
2	8			W N W		breeze and cloudy.
3	6					At 4 P M took in all the small
4	8					sails.
5	6					The rest of the day was very
6	8					much the same.
7	8					
8	7	4	S by W	W S W		We are now getting into
9	7	4	S by W			cold weather very fast, and the
10	6					days are growing shorter.
11	5		S E by E	S W by S		Every thing aboard ship is
12	5					being prepared for rough
1	5		" "			weather, the boat has been
2	4					hoisted in, new sails bent
3	4					and every thing secured.
4	3					
5	5		E S E			
6	4					Bar 30.27 Ther 75
7	4		S W by S			
8	4					"Fifty days out"
9	3					
10	4					
11	5					No Observation
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Saturday day of July 11th 1852*
1	6		SW	SE		Commences with a cloudy sky and moderate breezes.
2	6					Set Larboard studding sails, a
3	7					very heavy head sea.
4	7					
5	7	4				6 to 8 wore to S & took in light
6	7	4				stud sails.
7	7	4	S W ½ S	SE by S		8 to 12 fresh breezy and cloudy.
8	7	4				latter part heavy squalls
9	7	4				with rain.
10	7	4				Last night I had the pleas-
11	7	4				ure of furling the fore roy at
12	7	4				while it was raining and
1	8		SW ½ W	South		blowing quite merrily; I was
2	8					completely wet through and
3	8					I had to remain to spend
4	8					the rest of my watch on deck.
5	7		WSW			
6	7					Bar 30.23 Ther 63
7	5	4				
8	5	4				
9	6		W ½ S			Fifty one days out
10	6					
11	6		NW ½ N			
12	6			SW by S		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 29 W	166				27° 20'			13° 25'	13° 27'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of July 12 1852*
1	7	4	SSE	SW		First part a strong breeze and
2	7	4				cloudy with a heavy head sea.
3	7	4				6 to 8 took in the fore and main
4	7	4				top gallant sails.
5	7					At noon tacked to the N
6	7					To day has not been so much
7	7					a day of rest as I could wish, for
8	7					we have been continually at work
9	6		S ½ E			all day.
10	6					The weather is continually
11	5		South	NNW		growing colder so that to day
12	5					we have been obliged to take on
1	5		S by E			monky jackets on.
2	5					
3	5		SSE	SW		Bar 30.31 Ther 62
4	5					
5	5		S E by S	S W by S		
6	5					
7	5		S E by E			Fifty two days out
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 30 E	140	1° 20'	1°	28° 42'	28° 40'				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of July 13 1852*
1	3		W½S	S by W½W		First part a heavy head sea and a fresh breeze from the N
2	3					
3	3					
4	3					4 to 8 set flying jib
5	4		W S W	S by E		8 to 12 light breeze and cloudy set the Royals.
6	3					
7	2					12 to 4 meanpeahn
8	2					
9	3	4	W by S			Morning light breeze and clear.
10	2					
11	4		W S W			last part a light breeze and cloudy.
12	4					
1	3		W½S			First part of this morning I was employed knotting rope yarns and overhauling potatoes. last part at the wheel.
2	2					
3	1					
4	1					
5	2		W by S			
6	2					
7	3		W S W			Bar 30 40 Ther 64
8	3					
9	1		S W½S			
10	1					Fifty three days out
11	1		S W by S			
12	1					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N25W	54	16	26	28° 56	28 40				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Tuesday day of July 14 1852*
1	2		SW	E S E		First part a light breeze from the ~~West~~ East
2	2					
3	1	4				
4	1	4				4 to 8 the same set Studding sails.
5	1					
6	1					The rest of the day the same.
7	1					
8	1					As I turned out this morning I was agreeably surprised to find that the weather was warmer by two degrees than yesterday.
9	0					
10	0					
11	0					
12	1					
1	1					
2	1					
3	1					Bar 30 30 Ther 64
4	1					
5	2					
6	2					
7	3					Fifty four days out
8	4		S W by S			
9	3					
10	3					
11	6		S S W			
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S20W	118	111	32	29° 4'	29° 10		31	179	44° 04

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday day of July 14* 1852
1	7		S W	N E		Commences with a fine breeze
2	7					from the N by E and fine weather
3	7	1				8 to 12 squally with the main topsl
4	7	4		N E by N		in all the Stud sail and Royals
5	8	4				12 to 4 a brisk breeze and veers
6	9					Morning light breeze and
7	9					clear set the royals.
8	9					
9	9					To day I have been employed
10	8					in steering serving the
11	8					~~sent~~ off of the Windlass and
12	7			N W by W		and shewing water.
1	7					
2	7					
3	6		S S W by W			Bar 30 13 Ther 67
4	5					
5	5		South			
6	4					
7	4		S S E			Fifty five days out
8	3					
9	2					
10	3					
11	3		S W by W			
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	150	1° 23'	3'2	3° 48'	3° 53'		36	45° 35'	45° 40'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thursday day of July 15* 1852
1	4		S W	S by E		Commences with a light breeze
2	4					from the N E set all the larboard
3	4					Stud sails
4	5					
5	5					8 to 12 moderate breeze and clear.
6	5			E		
7	5					
8	5					First part of the day I was at the
9	5					wheel, the rest I was occupied
10	4					in miscellaneous jobs.
11	4			N E		
12	6					From 6 to 8 in the evening had a
1	6					rain squall with wind strong
2	6					to make the captain take in
3	6					the royals ~~and~~ unreave
4	6					Stud sail gear in doing which
5	6					I got wet through.
6	6					To day we discovered that the
7	6					main yard was very much
8	6					decayed and the mate has been
9	6					busy rigging a ~~stage~~ preventer,
10	6					and Aberglasni the old one
11	6	4				
12	6	4				Fifty six days out
						Bar 30 27 Ther 64

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 20 W	130	1° 28'	~~3° 36'~~	32° 04	32° 00'		1° 47'	47° 34'	47° 40'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of July 16 1852
1	6		S W			First part light breeze and
2	4					clear.
3	4					At 9 the wind veers to the
4	5					S E. wore ship to the S W set
5	5					all the small sails
6	4					Middle part the same
7	5					Morning much the same
8	3			S E by E ½ E		set all the Larboard stud
9	3					ding sails.
10	5			S W by S	S E.	Last part a fresh breeze
11	7	4				and clear.
12	8					
1	7				S E by S	During this morning I
2	6					was employed in drawing
3	5					rope yarns ~~and furle taking~~
4	5					in and setting stud sails
5	5	4				and other small duties
6	5	4				
7	5	4				Bar 30 34 Ther 63
8	5	4				
9	7					
10	8					Fifty seven days out
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 15 W	147	1'27	1'49'	33° 2½'	33° 29'		2° 39'	48° 54'	49° 01½'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of July 17 1852
1	7	4	S W by S	S S E.		First part a fresh breeze
2	7	4				and clear weather.
3	7	4	S W ½ S			
4	7	4				Middle part the same
5	7		S W by S			
6	7			S E.		
7	7	4				Morning thick cloudy sky
8	7	4	"			with rain, at 3 AM saw a towards
9	8			E N E.		light on the starboard quarter
10	8					all day light saw a sail on the
11	8					starboard quarter steering
12	8		"			to the S and W.
1	8					
2	8					To day I have had 2 hours
3	7		"			wheel and have been employed
4	7					~~and~~ a number of small jobs.
5	7					
6	8		"			
7	9					Bar Ther.
8	9		"			
9						No Observation
10						
11						Fifty eight days out
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 60 W	180	2.29'	1'41'	31° 34'	.	.	2° 04'	51° 00	

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of July 18* 1852
1	6		S by S	N E		First part a fresh breeze
2	6			to		and cloudy sky with rain
3	6			E N E		6 to 8 a strong breeze and a
4	6					wild threatning appearance
5	6					During the night light
6	7	4				breezes and cloudy but rig as
7	8	4				~~storming the Storm~~.
8	9					This morning furled royals
9	5					and P flying jib.
10	4					It grew cold very fast and
11	3					as I was wet through I felt
12	3					very uncomfortable.
1	2			variable		
2	2					
3	2					
4	2					Bar 29 90 Ther 61
5	2					
6	3					
7	6			N W		No Obs
8	4					
9	3					
10	4					Fifty nine days out
11	6		S E	S S W		
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of July 19* 1852
1	5		S by S	N E		Double reefed topsails they ship
2	5					laboured very much. Part
3	5					to lived and cold to comfortable
4	5					much.
5	5					But we have had a regular
6	5	4				gale, all the lumber on the
7	5	4				main hatch was swept off
8	4					by a heavy sea and we were
9	4					in great danger of being
10	4					badly hurt.
11	4					
12	4					
1	4					
2	4					
3	4					Bar 29 47 Ther 70
4	4					
5	5	4				
6	6	4				
7	4	4				Fifty days out
8	4	4				
9	4	4				
10	4	4				
11	4	4	S E			
12	4	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of July 20 1852*
1	2		WSW	SW		Begins with a fresh gale from the SW and a high sea 2 to 4 moderately set reefed main sail and jib.
2	2					
3	2					
4	2					
5	2		SbyE			
6	3					4 to 6 more moderate. Got the reefs of the topsails
7	2		S½E			
8	2					8 to 12 more moderate set the top gallant sails.
9	2					
10	3					12 to 4 set all the light sails.
11	3		S½W			last part a fresh breeze took in the royals.
12	3					
1	4		SbyW½W			We ~~have~~ now enjoying fair
2	5					weather again, and the ship
3	5		SSW			looks more like a clothes yard
4	5					than any thing else.
5	6			West		We have been busy all day
6	6					lashing spars and securing
7	6					things in their places.
8	7					
9	7		SWbyS			Bar 30 10 Ther 58
10	7					
11	7					Sixty one days out
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					38 45				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday day of July 21 1852*
1	7	4	SWbyS	WbyN		It is pitching so that it is impossible to write and I have been brought to a stand still by my ink tumbling over.
2	7	4				
3	7	4				
4	6					
5	4					
6	4					
7	2					
8	1					
9	3	4				
10	3	4				
11	3	4				
12	3	4				
1	3					
2	2					
3	1					
4	1					
5	1					
6	1					
7	2					
8	2					
9	2					
10	3					
11	3					
12	3	4				
	3	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					40 02				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Thursday *day of* July 22 1852
1						I cannot write to day for the
2						same reason.
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						Sixty three days out
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					41°38'				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Friday *day of* July 23 1852
1	5		SSW'	Weet		To day the gale continues with
2	5					greater force than before, but
3	5					all the time it is as clear as one
4	5					could ask overhead.
5	5					
6	4					It is so cold now that you
7	4	4	SbyW½W			must not expect me to give
8	4					very full accounts of what
9	3		SSW½W			happens.
10	3					All that we have to do on
11	2					deck is to pump ship, steer, make
12	2					and take in sail and some
1	2					other small duties.
2	2					
3	2	4				
4	2	4				
5	2		SbyW½W			Barog 62 Ther 54
6	2					
7	2		Sby E'			
8	2					Sixty four days out
9	2		S½E'			
10	2					
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					42°38'				54°20'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Saturday day of July 24 1852*
1	3		S by E'	S by W'		The weather has become
2	3					more moderate than
3	3					yesterday but it is also colder
4	3					As I am standing my
5	3					watch on deck at night, half
6	3					froze with nothing to do but
7	3					to keep warm, I very often
8	3					can not help comparing
9	3		S by W			my present condition with
10	3					what it was last year at this
11	3					time. Then I will imagine
12	3					what you are all doing
1	2					now instead of being half
2	2					frozen you are basking
3	2		S S W'	West		that is you are enjoying
4	2					George and Clara at home
5	3					together and then I think
6	3					how Dick is having to [illegible]
7	3					and so on till I find myself
8	3		S by S			becoming so cold that I am obliged
9	3	4				to give myself a thought and
10	3	4				fly around to keep warm.
11	4					Bar 29.67 Ther 55
12	4					Sixty five days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					45° 57'				54° 44' W

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of July 25 1852*
1	4	4	S W by S	W N W		By day we have had a clear
2	4	4				sky and very cold weather.
3	4	4				My teeth are commencing
4	4	4				to prove themselves a great
5	4	4				nuisance, some of the fillings
6	4	4				have come out others have
7	4	4	S S W by W			decayed and all of them
8	4	4				ache badly.
9	4	4	S by W			
10	4	4				
11	4	4				
12	3					
1	3					Bar 29 80 Ther 55
2	3	4	S by W			
3	3	4				
4	3					
5	3		S W			
6	3					Sixty six days out
7	3					
8	3					
9	3					
10	3					
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					45° 3'				55° 41'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of July 26 1852*
1	5		South	W SW		The weather still continues to
2	5					be fine and we have set all
3	5					the light sails.
4	5					
5	4	4				We are now within eight
6	3					degrees of the horn and are
7	3		S by W			hoping for a fair wind to
8	3					take us around.
9	3					
10	4		SW ½ W	NW by W		
11	6		...			
12	6					
1	5		S W			
2	5					Bar 29 40 Ther 54
3	6					
4	7					
5	7					
6	8					
7	8			NW by N		Sey by seven days out
8	8					
9	8					
10	8					
11	9					
12	9					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					47° 00'				57° 25'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Tuesday day of July 27 1852*
1	9	4	S W	N W		Commences with a strong breeze
2	9	4				from the N W which is just
3	9	4				what we want, and if it would
4	9	4				only continue for two or three
5	9		S W ½ S	W S W		days it would take us fairly
6	8					around the Cape.
7	4					The prospect of having a fair
8	4		S S W	S S W		wind round the cape is now
9	4					over for we have a head wind
10	7					now and will be obliged to
11	7		...	...	...	fight our way round as best
12	7					we may, unless the wind changes
1	4					
2	7					
3	7					
4	7					Bar 30 Ther 53
5	7					
6	5					
7	4					
8	4					Sixty eight days out
9	4					
10	4					
11	4	4				
12	4	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					47° 5'				58° 10

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday day of July 28 1852*
1	4		SWbyS			To day we have had a good
2	7					strong breeze all day which increased
3	8					so during the night that we were
4	8		SW			obliged to reef topsails.
5	9			NNW		We are having remarkable
6	9					fine weather upon these latitudes
7	9					and are in hopes that it will
8	9					last us around the horn; but
9	9		SWbyS	NW		there is no telling what a day
10	9					may bring forth, and we
11	9					are constantly on the look-
12	8	4				out for bad weather.
1	8	4				The weather now is about
2	8					as cold as it is at thanksgiving
3	8		SWbyS			at home.
4	8					
5	7					
6	7					Bar 29.60 Ther 52.
7	8		SW½W			
8	7					
9	6					Sixty nine days out
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					49° 32'				61° 04'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thursday day of July 29 1852*
1	6		SbyW	WbyW		Commence with light breezes
2	6					and continues much the same
3	6					during the day.
4	6		South			
5	6		SbyW			My teeth have become very painfull
6	4					and you cannot imagine
7	4		SbyW			how much I am suffering.
8	4					
9	6		South			
10	6					Bar 29.80. Ther 55
11	4					
12	3					
1	3					
2	4					
3	5		SEbyS			Seventy days out
4	5					
5	2		SEbyE			
6	2		WSW			
7	2					
8	2					
9	3		SSE			
10	3					
11	4		SEbyS			
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					50° 6'				61° 42'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Friday day of July 30 1852*
1	5		SE by E	S by W		Commences with a head wind which lasts till one P.M. when the wind hauled round to the NE and we set the sail sails at first the wind was light but gradually it freshened, and we are now in hopes of being up to the cape in 24 hours
2	5					
3	4					
4	3					
5	3		E SE			
6	1		SW			
7	2		SSW			
8	3					
9	4		South			
10	4			NE		
11	3					
12	5					
1	4					Ban 30 Then 51
2	4			North		
3	4	4				
4	4	4				
5	4	4				
6	5					
7	6					
8	7					
9	8					Seventy one days out
10	8					
11	8	4				
12	5	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				[illegible]	52 20				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Saturday day of July 31 1852*
1	5		SE by E	S by W		Today I have had so much hard work that I am to tired to copy from the log. slate. During the afternoon we made the Falkland Islands bearing three points on the lee bow, and are now on the look out for Staten Land.
2	5					
3	4					
4	4					
5	3		S by E	S by E		
6	1		SW			
7	1		SSW	SE		
8	3					
9	4		South	Var		
10	4					Since I commenced writing I have had the log book left me.
11	5					
12	5					
1	4					
2	4					
3	4	4		North		Ban 28 Then 50
4	4	4				
5	4					
6	5					
7	6					
8	7					Seventy two days out
9	8					
10	8					No Obs
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					~~52 20~~	2W			

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of Aug 1st 1852*
1	4		SW	NW		Commences with a strong breeze from the N end W and thick weather.
2	2					
3	3		SWbS	Variable		
4	7			NW		Double reefed topsails and reefed the Mainsail.
5	8					
6	9					At 30 past 6 made the western
7	9		SWbyS			part of Staten Island bearing
8	9					NW½W.
9	6			NWbyN		
10	6					
11	3					During the rest of the
12	3					day we were constantly
1	4	4				at work, shaking a reef out
2	4	4				of the topsails, setting top gallant
3	5					sails, and then reefing topsails
4	5					and furling top gallant sails.
5	5					
6	4					Bar 29 80 Ther 50
7	3					
8	0			SW		
9	4		South	WSW	½	Seventy three days out
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					55°80 S				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of Aug 2nd 1852*
1	4		SbyW	NW		Began with a head sea and
2	3					cloudy with a head sea from
3	3		SW			the SW
4	3					8 to 12 much the same
5	4		SbyW½W			
6	4					At 11 PM saw the land about
7	4		SWbyW			Cape Decision
8	4					
9	6					
10	8					
11	4					No Observation
12	9					
1	8	4				
2	7					
3	4		SbyW	W		
4	3					Bar 29 20 Ther 50
5	1					
6	1					
7	0		SSE	SW		
8	0					Seventy four days out
9	1		South			
10	1					
11	1					
12	1					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Tuesday day of Augs 3rd 1852*
1	2		W S W	E N E		Begins with a light breeze and
2	2					a heavy head sea from the W.
3	2					
4	3			S E		4 to 8 the same
5	4		S by W			8 to 12 the wind freshened took
6	5					in the flying jib. and fore top
7	4					gallant sail.
8	4			S by W		morning a fresh breeze and
9	4		West			clearing clouds.
10	4		S ½ E	W S W		You have no idea how nice
11	4					and dirty a ~~person~~ sailor becomes
12	4					in cold weather. I am all dirt
1	4		South			and shall probably continue so
2	4					till we get into warm weather again.
3	4		S by W ½ W	West		
4	5					At ten A.M. made a good run of
5	7	4	S S W			eleven knots with a mainsail too long to
6	7	4				take the trouble to write.
7	6					
8	4		S by E ½ S			
9	4		S W ½ S			Bar 29.38 Ther 52
10	4					
11	4		S by W	N W		Seventy five days out
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S W					37° 54' S				68° 46' W

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday day of Augs 4th 1852*
1	7		W S W	N W by N		Begins with a head sea from
2	7					the N W and a fresh sea.
3	7					
4	7					4 to 8 much the same
5	7		W by S			
6	6	4	do			
7	6	4		N N W		12 to 4 a fresh breeze and
8	8					squally weather with shift.
9	7		S W by W			
10	6					
11	5		S W	W N W		
12	4					
1	4					
2	4					
3	6					Bar 29.05. Ther 49
4	6					
5	5	4	W by S			
6	5	4	do			
7	5	4				
8	5	4	S S W			
9	4	4				Seventy six days out
10	4	4	S W by S			
11	4	4				
12	5		S by W			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					39° 39' S				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday day of August 3 1852
1	4	4	S W by S	W by N		
2	4	4				
3	4					
4	4	4				
5	4					
6	4	4				
7	4	4	S S W ½ S			
8	3					
9	4	4				
10	5					
11	6		S W by S			
12	5					
1	6					
2	6					
3	6					
4	6					
5	6		S W			
6	6					
7	6		S W by S	N W by N		
8	6					
9	6					
10	6		W by S			
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
									74° 24

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of August 6 1852
1	4		W S W	N W		Begins with strong breeze and heavy squalls.
2	4					
3	4					Double reefed topsails and reefed the mainsail
4	3					
5	3					
6	2					6 P M more moderate took a reef out the main topsail
7	2		W by S			
8	2					
9	2		S W by S	N W by W		12 to 4 the same
10	2					
11	2					
12	2					
1	2		W S W	N W		Morning wind Veering aft from the S W. set all sail.
2	2					
3	1	4				
4	1	4				
5	2		W N W	S W		
6	3			by		Bar 29 2 Ther 83
7	4		N W by W	South		
8	8					No Obs
9	9					
10	10					Seventy eight days out
11	10					
12	10					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* *day of* 18
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Monday *day of* August 10 1857.
1	5		N by W	W NW		Begins with a strong breeze
2	4					from the N & W with hazing
3	4					clouds, set top gallant sails
4	4					
5	4		N N W			
6	4					4 to 8 strong breeze with hazing clouds.
7	5					8 to 12 continued the same
8	3		N	NW		
9	4					12 to 4 strong breeze and squally, double reefed the
10	4		N by E			mainsail to sea close reefed
11	4		N N E			the fore topsail — split the
12	4		N E			royals, carried away the
1	5		N W by W			fore topmast staysail
2	5					and furled the sail jib.
3	4					
4	6					
5	1					During my trick at the
6	2		N W			helm in the morning I
7	3		N N W			was thrown over the wheel.
8	3					
9	2		W			Bar 29 9/10 Ther 41
10	2					
11	2		W S W			Eighty days out
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	35				0 0 0				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of August 12 1851
1	7	4	NW by W	S W		Begins with a fresh breeze from the S W and passing clouds
2	7	4				
3	7	4				
4	7	4				4 to 6 much the same set stud sail gaff. To reef it.
5	7	4				
6	7	4				
7	6					
8	6					8 to 12 moderate and wind veered to E & S E.
9	5			S E		
10	5					
11	5		N W	E S E		
12	7					Morning a fresh breeze and broken clouds.
1	8					
2	8					
3	9			E N E		
4	9					
5	9					Bar 30 40 Ther 48
6	10					
7	10					
8	10					
9	10					Eighty two days out
10	10					
11	10					
12	10					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					51 29'				81 29'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday day of August 1851
1	9		N W	E by N		To day we have had a fresh breeze all day, and have made one of the best days run, since we have been out.
2	9					
3	9					
4	9					
5	11					
6	11					The sea is as smooth as a mill pond and the weather is gradually growing warmer and we are congratulating ourselves on having such a pleasant run round the Cape.
7	9	4				
8	9	4				
9	9	4				
10	9	4				
11	9	4				
12	9	4				
1	8	4				
2	8	4				
3	8	4				
4	8	4				
5	8	4				Bar 29 70 Ther 50
6	9					
7	9	4		N N E		
8	9	4				Eighty three days out
9	8					
10	8					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				48 41'				82 10'	

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday day of August 1832
1	7	4	NW½W	NE by N		Begins with a fresh breeze & cloudy
2	7	4				with light rain.
3	7	4				
4	7	4	NNW	N by E		
5	6	4	NNW½W			4 to 6 fresh breeze and cloudy
6	6	4				took in fore top gallant sail
7	6	4	NW by W½W			
8	6	4				
9	6		NW by W.			12 to 4 the same
10	6					
11	6					
12	7					
1	7					Morning moderated to a light
2	7					breeze and veered to NW & tacked
3	6					to the NE.
4	6					
5	5		W by N			Bar 29 56 Thers
6	4					
7	2		WSW	NW		
8	2		NE by N			
9	2					Eighty four days out
10	2					
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
									84° 30

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of August 1832
1	3		NNW	West		To day we have had moderate
2	4					breezes with squalls, heavy enough
3	4					to keep me loosing and furling
4	3		N by W	W by N		royals.
5	3		N by E			
6	3					We are now getting into warm
7	3		NE by N			weather fast and in a little while
8	4					we shall all be at work again.
9	4					
10	4		NE			
11	4					
12	4		NE½E			
1	4		West			Bar 29 80 Thers
2	4					
3	4		SW			
4	4		N by W.			
5	5		N by E			Eighty five days out
6	5					
7	5		NNE			
8	5					
9	5		NNE½E			
10	5					
11	5		NE by N			
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					43° 18				84° 24

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of August 1/1857
1	3	4	NE by E 4			Begins with a light breeze and thick weather
2	3	4				
3	3	4				
4	3	4				4 to 8 the same
5	2		E NE E			
6	2					
7	3					Morning fresh breeze with rain backed to the West
8	4					
9	3					
10	3		W N W ½ W			
11	4		W by N			
12	4					For the last month every
1	4					Sunday we have had a gale
2	4					of wind, and although every
3	4		N ½ N			thing indicated fair weather
4	4					4am, making my preparations
5	5		W by S			for a blow
6	6					
7	6		W S W	W by N		
8	6		W N W			Bar 29 60 Ther 52
9	7					
10	7	4	North			Eighty six days out
11	7	4	N by E ½ E			
12	7	4				No Obs

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of August 1/1857
1	7		N E by N	N W by N		Commences with a strong breeze
2	7					from the N & W.
3	6					
4	6		N E	N N W		4 to 6 the wind increased, took
5	6					in lower all'nt sail, ~~and~~
6	6					~~double~~ reefed topsails and
7	6		W N W ½ W			reefed mainsail.
8	6					8 to 12 a strong breeze with
9	4					heavy squalls
10	4		W by S			12 to 4 moderate the same
11	3					
12	2		W by N			
1	1			West		Morning wind increased
2	1					with very heavy squalls so
3	1					that we were obliged to stand by
4	1					the topsail halliards after we
5	1	4				took in the jib.
6	1	4				
7	3		North			Bar Ther
8	3		N ½ E			
9	3					Eighty seven days out
10	4					
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of August 16 1852
1	3		NbyE	WNW		Begins with a very strong breeze
2	4					with heavy squalls. Split fore
3	4		North	WbyN		topsail and bent an old one
4	3					in its place.
5	1					Reefed the foresail
6	1					
7	1	4	NbyW			
8	1	4				4 to 8 more moderate
9	2	4				
10	2	4				12 to 4 a strong breeze with
11	3		N½W			heavy squalls.
12	3		North			
1	4		NbyE	WNW		
2	4					This is the sequel to our Sun-
3	7	4				day benefit and I shall be
4	7	4				glad when it is over.
5	4	4				
6	4	4				
7	5					
8	4		N			Barg 25 Ther 52
9	4					
10	4	4				No Observation
11	3		NbyE			
12	3					Eighty eight days out.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of August 17 1852.
1	4		NbyW	West		Begins with a fresh breeze
2	3					from the W with rain.
3	2					Shook out the double reefs out
4	2					of the topsails and set the
5	3	4				Spanker.
6	4	4				
7	5					Middle part more
8	5					moderate.
9	6		North			
10	7					Last part a light breeze.
11	7		NbyE	WbyN		set all the sails.
12	7					
1	7					We shall very probably
2	7		NbyE			have good weather until
3	7/8					next Sunday when we
4	8					must look out for another
5	8					blow.
6	8					
7	7		NbyW			Barg 25 Ther 52
8	6					
9	5					
10	5					
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					46 14				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday day of Aug 18* 1852
1	7		North			First part strong breeze with
2	7					passing clouds in sight saw
3	7					a sail off the lee beam
4	7					
5	8		NNW			6 to 8 strong breeze and squalls
6	8					took a single reef in the
7	8					topsails
8	8		N by E			
9	6		N by W			8 to 12 much the same
10	6					
11	6					12 to 4 strong breeze and squally
12	6					
1	7					
2	7					
3	7					Bar 29 73 Ther 52
4	7					
5	7					
6	7					
7	7					Ninety days out
8	7					
9	8					
10	8					
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					37°03				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, day of* 18
1	10		NNW	W S W		Begins with a strong breeze
2	10					from the W and squally clouds
3	9					at 4 set fore top gallant sail
4	9					
5	9					4 to 6 fresh breeze and clear
6	8	4				set all the light sails and
7	8					shook the reefs out of the top
8	8			S W		sails.
9	8					
10	8					Set the lower, top, and top gall
11	8					stud sails.
12	8					
1	6	4		S by E		
2	6	4				
3	6	4				Bar 34 23 Ther 53
4	6	4				
5	6	4				
6	6	4				
7	6	4				
8	6	4				Ninety one days out
9	6					
10	6					
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					34°21'				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of Aug 20 1852
1	6		WNW½W	S by E		First part fresh breeze and clear.
2	6					
3	6					
4	6					At 6 P.M. Juan Fernandez bore N 5° by E per compass
5	6		NNW½W			
6	6		NW by W	South		
7	6					
8	6					6 to 8 fine and clear
9	6					
10	6					
11	6	4				
12	6	4				Morning fresh breeze and passing clouds
1	6	4				
2	6	4				This afternoon caught a porpoise
3	6	4				which gave us a good fresh meal
4	6	4				
5	6	4				Bar 30 40 Ther 55
6	7	4				
7	7	4				
8	7					
9	7					Ninety two days out
10	7	4				
11	7	4				
12	7	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					32° 12′				80° 2′

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of August 21 1852
1	6		NW	South		First part a gentle breeze and clear
2	6					
3	6					
4	6					Continued much the same
5	6					through the 24 hours
6	6					
7	5	4				
8	5	4				
9	6					
10	6					
11	6	4				
12	6	4				Bar 30 50 Ther 50
1	6	4		SSE		
2	6	4				
3	6	4				
4	6	4				
5	6	4				
6	6	4				Ninety three days out
7	6	4				
8	6	4				
9	6	4	NNW½W	S E		
10	6	4				
11	6	4	NW by W	SE by E		
12	6	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NNW½W	137				31° 03′				80° 24

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of Aug 22 1852
1	6	4	NW	SE by E		Begins with fresh breeze
2	6	4				and clear weather
3	6	4				
4	6	4				
5	6	4				
6	6	4				rest of the day nearly
7	6		E by S			the same
8	7	4				
9	7					
10	6					
11	6	4				
12	6					Bar 30 41 Ther 59
1	6	4	NW by W			
2	7					
3	7	4				
4	7	4				
5	7	4				
6	7	3				Pitcairn four days out
7	7					
8	7					
9	7	4				
10	7	4				
11	7	4				
12	7	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					25° 59′				88° 34

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of August 23 1852
1	7		N W by W			First part light winds and
2	7					passing clouds.
3	6					
4	6					At 12 fresh breeze and pass-
5	6	4				ing clouds.
6	6	4				
7	7					rest of the day the same
8	7					
9	6		N W by W			
10	6	4				
11	6	4				
12	7					
1	6		N W by W			
2	6					
3	6					
4	6					
5	6					Bar 30 30 Ther 61
6	6					
7	6					
8	6					
9	6					Pitcairn five days out
10	6					
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					24 11′				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of August 24 1852
1	4		NWbyW	SE.		First part a light breeze from
2	4					the SE. & passing clouds
3	4					
4	3					
5	3					8 to 12 variable breezes
6	3					
7	2					
8	2					12 to 4 the same
9	2			Variable		
10	3					Morning passing clouds
11	3					
12	4					
1	4		NWbyW½W			During this morning a school
2	4					of whales were playing round us
3	4					and gave me a good chance
4	4					to see them.
5	5					
6	5					
7	5					Bar 30 25 Ther 64
8	5					
9	5					
10	5					Ninety six days out
11	4					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					24° 30'				86° 43'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday day of Aug 25 1852.
1	3		NWbyW			First part light breeze and
2	4					clear weather
3	4					
4	4					4 to 8 calm
5	0		Calm			
6	0					12 to 4 calm
7	0					
8	1		NW			
9	1					Morning light airs and calm
10	1					
11	0		Calm			
12	0					
1	0					
2	0					I have already grown
3	0					considerable, and find that
4	1	4	North			my shore clothes are to small
5	1	4				
6	1	4				
7	1	4				Bar 30 22 Ther 63
8	2		NbyW	WSW		
9	2					
10	2					Ninety seven days out
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					24'34				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday day of August 1852
1	3		N by E'	N W by W		First part light breeze and clear weather
2	3					
3	4					
4	4	4				4 to 8 moderate breeze with light rain
5	4					
6	4					
7	7		N W by W	S W		8 to 12 moderate and passing clouds
8	7					
9	3					
10	3					Morning light breeze, wind veers to the South. Set Starboard studing sails.
11	4					
12	4					
1	4					
2	7					
3	7					Bar 30 30 Ther 64
4	7					
5	7					
6	7					
7	6					
8	6	4				Ninety eight days out
9	4	4				
10	4					
11	4					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					23° 01' S				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, First day day of August 1852
1	6		N W by W ½ W	S E by E'		First part a gentle breeze and fine weather
2	6					
3	6					
4	6					8 to 12 fresh breeze and clear
5	6					
6	6					12 to 4 passing clouds
7	6					
8	6					Morning the same
9	6					
10	6					
11	7					
12	7					Bar 30 34 Ther 65
1	7					
2	6					
3	6					
4	6					
5	6	4				Ninety nine days out
6	6	4				
7	7					
8	7	4				
9	6					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 39 E	17'	2° 12'	1' 39'	21° 49' S	21° 34'	1° E	1° 38'		90° 28' W

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Saturday day of August 28th 1852*
1	6		N W by W.	S E.		First part a fine breeze and pleasant weather
2	6					
3	6					
4	6					8 to 12 the same
5	6					12 to 4 the same
6	6					
7	6		N W by W ½ W			Morning the same
8	6					
9	6					
10	6		W by W	S E by E		To day we have commenced taring down, and as a matter of course I am all tar from my feet to my chair, my hands are dyed mahogony color which will not come off till the skin does.
11	6					
12	7					
1	7					
2	7					
3	7	4				
4	7	4				
5	7					
6	7		N W by W	E S E.		Bar 30 30 Ther 66
7	6	4				
8	6	4				
9	6	4				One hundred days out
10	6	4				
11	6	4				
12	6	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 47 W	164	110	121.6	19° 40'	17° 43' S	1° E	2° 05'	92° 33'	92° 38' W

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of August 29th 1852*
1	7		N W by W	E S E.		First part a brisk breeze from the E S E and fine clear weather
2	7					
3	7					
4	7					
5	6	4				During the night a fresh breeze
6	6	4				and passing clouds
7	7					
8	7					Morning
9	7					Morning a fresh breeze with
10	7					rain at times.
11	7					
12	7					
1	7					
2	7					We are now commencing to
3	7					enjoy our Sundays again and
4	7					the men are lying round the decks
5	7					reading &c
6	7					
7	7					Bar 30 30 Ther 69
8	7					
9	7		"			
10	7					
11	6	4				One hundred and one days out
12	6	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N W ½ W	164	1' 42	149'	19° 55'	18° 01'		2° 05'	94° 18'	92° 45'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of August 9 1852
1	7		NWbyW	SEEast		First part a fresh breeze and clear weather
2	7					
3	7	4				
4	7	4				8 to 12 the same
5	7	4				12 to 4 the same
6	7	4				
7	7	4				Morning a fresh breeze with passing showers
8	7	4				
9	7					
10	7					
11	7					
12	7					This morning I have had two hours at the pahe and the other two hours have been employed washing and swabbing decks.
1	7					
2	7					
3	7					
4	7					Bar 30 25 Ther 68
5						
6						
7						
8						
9						
10						
11						
12						One hundred and two days out.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N33W	165	1°39'	2°12'	14°34	16°17'	1½ pt E	2°05'	98°00'	[illegible]

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of August 10 1852
1			NWbyW	ESE		First part a light breeze with occasional light showers of r
2	7					
3	7					
4	6	4				
5	6	4	NWbyW½W			Am. Middle part the same
6	6	4				
7	6	4				Morning wind freshened.
8	6	4				
9	6	4				To day I have been employed
10	6	4				in steering making foresail and
11	6	4				tarring down main top mast
12	6	4				stay sail stay.
1	6					
2	6					
3	6					
4	6					
5	6					Bar 30 20 Ther 70
6	6		NWbyW			
7	7					
8	7					
9	7					One hundred and three days out
10	7					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					14°42				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday of Sept 1st 1852
1	8		NW ½ W	E by N		First part a fresh breeze with passing showers
2	8					
3	8					
4	8					
5	6					During the night, moderate breeze and clear
6	6					
7	7					
8	7					
9	6					Morning much the same
10	6					
11	6					
12	6					
1	6					Latter part brisk breeze and clear
2	6					
3	6					
4	6					
5						Bar 30.20 Ther 72
6						
7						
8						
9						One hundred and four days out
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					12°56'				101°18'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday day of Sept 2nd 1852
1	8		NW	East		First part a brisk breeze from the East and a light cloudy sky
2	8					
3	8					
4	8					
5	7	4				8 to 12 The same
6	7	4				
7	8					During the night a brisk breeze and passing squalls
8	8					
9	8					
10	7					Last part the same.
11	7					
12	7					
1	7					Bar 30.13 Ther 74
2	7					
3	7					
4	7					
5	7					
6	7					One hundred and five days out.
7	7					
8	7					
9	7					
10	7					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW ½ W	74	2°14'	1°34'	10°50'	10°50' S	1½ E	1°54'	103°12'	103°12'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of Sept 3rd 1852
1	8		N West	East		First part a fresh breeze with
2	8					passing clouds
3	7					
4	7					
5	7					
6	6					During the night the same
7	7					
8	7					Morning the same
9	7	4				
10	7	4				
11	7	4				We have finished taring down
12	7	4				and are about to commence paint-
1	7	4				ing.
2	7	4				
3	7					
4	7					
5	6	4				Bar 30 14 Ther 75
6	6	4				
7	6	4				
8	6	4				
9	6	4				
10	6	4				One hundred and six days out
11	6	4				
12	6	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW½N	167	2° 09'	1' 43	8° 41'	8° 44'	½ pt E'	1' 47'	104 56'	105 03'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of Sept 4th 1852
1	6	4	N W	East		First part a brisk breeze and
2	6	4				fine clear weather
3	7					
4	7					
5	7					During the night the same
6	7					
7	7	4				
8	7					Morning a brisk breeze and
9						
10	7	4				passing clouds.
11	7	4				
12	7	4				
1	7	4				Bar 30 16 Ther 75
2	7	4				
3	7	4				
4	7	4				
5	7	4				
6	7	4				
7	7	4				
8	8					
9	8					
10	8					
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW½N	179	3' 18	1' 38	8° 24'	8° 31'	½ pt E'	1' 52'	104 00'	104° 00'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of Sept 5 1852
1	8		NW½N	East		First part a brisk breeze and
2	8					clear weather
3	8					
4	8					
5	8					Middle part the same
6	8					
7	8					
8	8					Morning the same
9	8					
10	8					
11	8					To day we are again enjoy-
12	8					ing the pleasures of a fine
1	8					Sunday.
2	8					My face is growing so fat
3	7½	4/4				that I think you would
4	7					hardly know me.
5	7					
6	7					Then 30.14 Bar 77
7	7					
8	7					
9	7					
10	7					One hundred and eight days out
11	7					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW½N	181	3° 30'	10° 6	4 01	4° 19'	1/4 pt E	1'41'	10 84½	10 84 6

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of Sept 6th 1852
1	6		NNW½W	E by S		First part a gentle breeze from
2	6					the E and fine clear weather
3	6					
4	6					
5	6					3 to 12 the same
6	6					
7	6					
8	6					Middle part the same
9	6					
10	6					
11	6					Last part more moderate and
12	6					clear
1	6					
2	6	4/4				Bar 30 12 Ther 72
3	6	4				
4	6	4				
5	6					
6	6					One hundred and nine days
7	6					out
8	6					
9	5					
10	4					
11	4					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NNW	140	2 10	1° 6	~~3° 16'~~ 3° 54'	2° 09'		6 6	10 93½	10 99 59/60

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of Sept 4 1852
1	4		NNW½W			First part a light breeze
2	4			East		and clear weather
3	4					
4	4					
5	4					12 to 4 fresh breeze and cloudy
6	4					
7	4					
8	4					You have no idea what a valu-
9	4					able thing a daguerreotype is at sea
10	4					and if I live to go another voyage
11	3					I shall carry as many as I can.
12	3					
1	3		NNW			
2	3					Bar 30.10 Ther 76
3	3					
4	6					
5			NW by N			To day we have crossed the
6						line again
7						One hundred and ten
8						days out
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	119'	1°20'	85.3'	0°26'	0 31 S	4½ E	1,53'	11 0 43	11 0 41

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday day of Sept 8 1852
1	5		NNW½W	E by S		First part a moderate
2	5					breeze from the E and fair
3	5					weather
4	5		NNW			
5	5					During the night the same
6	5					
7	4	4				
8	4	4				Moring the same
9	4	4				
10	5					We have been employed to
11	5					day in scraping and
12	5					Grubbing the Ships side
1	5					preparatory to painting
2	5					
3	5					
4	5					
5	5					Bar 30.10 Ther 76
6	5					
7	5					
8	5					One hundred and eleven
9	6	4	NNW½W			days out
10	5	4				
11	5	4				
12	5	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					1° 19' N				11° 44' W

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday day of Sep 9th 1852
1	5	4				First part a moderate breez from the E. and pleasant weather
2	5	4				
3	5	4				
4	5	4				
5	5					
6	5					During the night the same
7	5					
8	5					
9	5	4				Morning the same
10	5	4				
11	5	4				To day we have been put on
12	5	4				~~short~~ allowance of ~~wat~~ 6 pints
1	5	4				of water a day.
2	5	4				
3	5	4				
4	5	4				
5	5	4				Bar 30 10 Ther 76
6	5	4				
7	5	4				
8	5	4				
9	5	4				
10	5	4				One hundred and twelve days
11	5	4				out.
12	5	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	154	2,34	0°50'	3°53	3°63'	1/2 pt E	1'59	113°16	113°03

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of Sep 10th 1852
1	6		NNW	E by S		First part moderate breezes
2	6		~~NbyW 1/2 W~~			from the E. & pleasant weather
3	6					
4	6					
5	6					
6	6					During the night the same
7	6		~~NbyW 1/2 W~~			
8	6					Imagine yourself, if you can compelled
9	6					to live on three pints of water
10	6					a day with the thermometer at
11	6					80 and you will have my situation
12	6					before you by a chart.
1	5	4				One of the men accidently
2	5	4				capsized my allowance to day so
3	5	4				that I have been obliged to go
4	5	4				without.
5	5	4				
6	5	4	NWbyN	SEast		Barom 30 Ther 79
7	6					
8	6					
9	6	4				
10	6	4				One hundred and thirteen
11	6	4				days out
12	6	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	134	2 29		6°0'	6°4'	1/2 pt E	1°39		114°42'

JOURNAL *from* [illegible] *towards* [illegible]

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of Sept 11 1852
1	6					Commences with a fine
2	6					breeze and pleasant weather
3	6					
4	6					
5	6					Night the same
6	6					
7	6					
8	6					
9	5	4				During the night ~~the same~~
10	5	4				we caught a Porpoise
11	5	4				
12	5	4				
1	5					Morning the same
2	6	4				
3	6	4				
4	7					
5	7					
6	7					Bar 30 16 Ther 75
7	7					
8	7					
9	7					
10						One hundred and fourteen
11						days out —
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					8°44′				114° 42′

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of Sept 12 1852.
1	6	4	NNW½W	S by E		First part fine breeze and
2	6	4				pleasant weather
3	6	4				
4	6	4				
5	6	4				During the night the same.
6	6	4				
7	6	4				
8	6	4				Morning the same
9	6	4				
10	6	4				
11	6	4		South		Bar 30 14 Ther 80
12	5	8 4				
1	5	8				
2	5	8				One hundred and ~~fifteen~~ fourteen
3	5	8 4				days out
4	5	8 4				
5	5	8 4				
6	5	8 4				
7	5	8 4	NW by N			
8	5	8 4				
9	5	8 4		SSW		
10	5	8				
11	5	8				
12	5	8				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	178	2° 43′	75	11° 38′	11° 36′	½ht W	73	110° 33′	113° 03′

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of Sept 20 1852*
1	2	4				
2	2	4				
3	2	4				
4	2	4				
5	2	4				
6	2	4				
7	2	4				
8	2	4				
9	2	4				
10	2	4				
11	2	4				
12	2	4				
1	2	4				
2	1					
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* *day of* 18
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* *day of* 18
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* *day of* 18
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of Sept 13 1852
1	8		NNW½W	SW		First part a brisk breeze and clear weather
2	8					
3	8					
4	8					
5	7		NbyW	SW to W		4 to 6 wind veers to the West with thick rainy weather, took in all the Stud sails, furled the fore royal, rigged in all the stud sail booms and unrove the stud sail tacks and coiled them up in the top.
6	7/6					
7	6	4	NNW			
8	6	4				
9	7					
10	7					
11	7/6	4				
12	6	4				When it commenced raining we were having our water served out to us, but as soon as it commenced raining the men let their allowance go and commenced catching water. We have caught 10 casks full and are now off allowance.
1	6					
2	6					
3	6					
4	5	4	NWbyW			
5	5	4				
6	5	4				
7	5	4				
8	5					
9	4		NbyE½E			Bar Then
10	4					
11	3					One hundred and 16 days out
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N36W	144	20	46	13°44'	13'44	1½ W	47	115°19'	116°23'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of Sept 14 1852
1	3	4	NNE	NW		First part a light breeze from the N and W and fine clear weather
2	3	4				
3	3	4				
4	3	4	NbyE½E			
5	3		~~NbyE½E~~			8 to 12 ~~Lig same~~ light airs and clear
6	4					
7	3					
8	3					
9	2		NEbyN½E			
10	2					Morning the same
11	2					
12	1					
1	1					
2	1					
3	1					
4	1		NE			One hundred and seventeen days out
5	2					
6	2					
7	2		WNW			
8	2					
9	2					
10	2					
11	1	4				
12	1	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					14°2'N				115°32'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday of Sept 15 1852
1	0					First part calm and clear weather
2	0					
3	0					
4	0					
5	0					Middle part the same
6	0					
7	1					
8	1					
9	1					
10	1					Morning the same
11	1					
12	1					
1	1					At 11h " "
2	1					
3	0					
4	0					
5	0					
6	0					One hundred and eighteen days out
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					14 22				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday of Sept 16 1852
1	2		NW by N	N East		
2	2					
3	2					
4	1					
5	1					
6	1					
7	1					
8	1					
9	1					
10	1					
11	2					
12	2					
1	2			NE by E		At 11h 45m 38s AM took a Lunar observation by observing the distance of the Moon from the Sun. Observed distance 110° 39' 30" Sun's Alt 7° 29'. Moons 42° 00'.
2	2					
3	3					
4	3			NE by N		Long 116° 20' W
5	2					
6	2					
7	2	4				One hundred and nineteen days out
8	2	4		E NE		
9	2					
10	2					
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				14° 25 N	14° 40'				

Time corrected
3-30-45"

Alt
44° 18'

dec
9° 0' S

Equa of time
9h 41m add

Lat
8° 7' N

Lois B, 4 8

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of Sept 17 1852
1	2	4	NWbyN	ENE		First part a light breeze from
2	2	4	NNW			the N and E with rain.
3	2	4				
4	2	4				
5	2	4				During the night light airs
6	2	4				and calms
7	2	4				
8	2	4				
9	1					
10	1	4				Morning calm
11	1	4				
12	1	4				
1	0		Calm			Bar 30 03 Ther 83
2	0					
3	0					No Obs
4	0					
5						
6						
7						One hundred and twenty days
8						out
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of Sept 18 1852
1	5		NNW½W			Begins with squally weather
2	4					and rain. At 12 cleared off and
3	2					moderated
4	2		NWbyN			
5	1					
6	1					During the night light breze
7	1					and cloudy
8	2		NWbyW½W			
9	2					
10	2					
11	4					Morning calm and cloudy
12	3		NWest			
1	2					
2	1					
3	1		NWbyN			One hundred and twenty one
4	0					days out
5	0					
6	0		Calm			
7	0					Bar 30 07. Ther 81
8	2					
9	3					
10	2		NWbyW			
11	4					
12	1					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					13 20'				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of Sept 19 1852.
1	4		N W	NE by N		First part light breeze and
2	4					cloudy weather
3	3					
4	3					
5	3		N W by N			4 66 rain
6	3					
7	1					
8	1					During the night a light
9	2		N N W			breeze and clear.
10	2					
11	2					
12	2					
1	2		N W by N			Morning meets the same
2	2	4				
3	2	4				
4	2	4				
5	2	4	N W by W	E S E		
6	2	4				
7	2	4				Bar 30 06. Ther 84
8	2	4				
9	2	4				
10	2	4				
11	2	4				One hundred and twenty two
12	2					days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					16° 17'				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of Sept 20 1852
1	2	4	N W by W			First part light breeze from
2	2	4				the E and light passing clouds
3	2	4				
4	2	4				
5	2	4				8 to 12 the same
6	2	4				
7	2	4	N N W			
8	2	4				
9	2	4				During the night light
10	2	4				breeze and rain.
11	2	4				
12	2	4				
1	2	4				
2	9					Morning light wind and
3						cloudy.
4						
5						
6						Bar 30.00 Ther 82
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					15° 38'				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of Sept 21 1852
1	4		NWbyW	NE		First part a moderate breeze
2	4					and passing clouds
3	4					
4	4					
5	4		NNW			12 to 4 calm with rain
6	5					
7	4	4				
8	4	4				
9	2					Morning much the same
10	0		Calm			
11	0					
12	0					
1	0					
2	0					
3	0					Bar 30 04 Ther 80
4	3					
5	0					
6	1					
7	6					One hundred and twenty four
8	10					days out
9	1					
10	1					
11	1					
12	1					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					17 43				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday day of Sept 22 1852
1	0					Begins with a calm saw
2	0					a sail from aloft
3	2					
4	4		NNW	SSE		8 to 12 light breeze and cloudy
5	3					
6	3					
7	3		NWbyN			At 1 PM a squall from the
8	3					S with rain
9	3					
10	3					
11	3					
12	2					Morning moderate breeze with
1	3		NNW			passing clouds
2	3					
3	3					
4	4					
5	2		NWbyN			Bar 30 05 Ther 80
6	2					
7	3					
8	3					
9	4					One hundred and twenty five
10	4	4				days out
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
		0 54'			18 35'				119 12

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thurs day of Sept 23 1852
1	4	4	NWbyN	SEbyS		First part a moderate breeze and passing clouds
2	4	4				
3	4	4				
4	4	4	NNW			8 to 12 a fresh breeze and passing clouds
5	4	4				
6	4	4				
7	5					
8	5		NWbyN			
9	6					During the night the same
10	6					
11	6					
12	6					
1	6					Morning the same
2	6					
3	6					
4	6					Bar 30.05 Ther 80
5	6					
6	6					
7	6					
8	6					One hundred and twenty
9	7	4	ESE			six ~~five~~ days out
10	7	4				
11	7	4				
12	7	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NNW ½ W	139	2° 42′		20 30	20° 30′	1 East		172 14′	~~120° 17′~~ ~~20 30 N~~

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of Sept 24 1852
1	9		NbyE	EasE		First part a fresh breeze
2	9					from the E and passing clouds
3	9					
4	9					4 to 6 squally with rain
5	9					
6	9					6 to 8 ~~the same~~ breeze freshens
7	9	4				and veers to the ENE with thick
8	9	4				rainy weather and lightning.
9	10	4		ENE		Took in all the stud sails
10	10	4				and furled the royals
11	10					
12	10					8 to 12 strong breeze with strong
1	10					rainy weather.
2	10					
3	10					12 to 4 much the same
4	10					
5	10					Morning the same
6	10					
7	10					Bar 30.10 Ther 74
8	10					
9	9	4				No Obs
10	9	4				
11	9					One hundred and twenty seven
12	9					days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NNW ½ W		2° 27′		23° 57′ N				122° 44′	

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Saturday day of Sept 25 1852*
1	10		N W by W	N E by N		Begins with a strong breeze
2	10					from the N E and passing clouds
3	10					with rain
4	10					
5	10					6 to 8 the same
6	10					
7	9	4				8 to 12 the same
8	9	4				
9	9	4				12 to 4 the same
10	9	4				
11	9					
12	9					Morning much the same
1	9					
2	9					
3	9					
4	9					
5	9					Bar Ther
6	9					
7	8	4				
8	8	4				
9	8					One hundred and twenty
10	8					eight days out
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N W	220	220			25° 25'				128° 04'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of Sept 26 18[illegible]*
1	6		N W	N E by N		First part a moderate breeze
2	6					and fine weather
3	6		N W by W			
4	6			N N E		During the night a light breeze
5	6					and cloudy
6	6					
7	6		N W by N			
8	6					Morning light breeze from the
9	6					N with passing clouds,
10	5					
11	4					
12	4		N W by W			
1	3					
2	3					
3	3		N W			Bar 30 13 Ther 6, 8
4	3					
5	3		W by N	N by W		
6	4	4				
7	4	4				One hundred and twenty
8	3					nine days out
9	5		W by S			
10	5	4				
11	5	4	W by N			
12	5	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
		71.5	85.3	126 [illegible]	24° 26'				124° [illegible]

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of Sept 2d 1852
1	6		W by N	N by W		First part a moderate breeze
2	6					and clear weather
3	6	4				
4	6	3 4				
5	6	3 4	W by W			During the night light breez
6	6	3 4				and cloudy.
7	6	3 4				
8	6	3 4				
9	6	3	W by N			Morning the same
10	6	3				
11	4	3	N W by W			
12	4	3				
1	3	3	W by N ½ N			
2	3	4				
3	3	4				
4	3	4				
5	3	4				
6	4					Bar 30 17 Ther 67
7	4					
8	4	4				
9	3	4				
10	3					One hundred and thirty
11	3	4				days out
12	3	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
		32° 04'		27° 18'			1° 45'	12° 8 3/6	

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of Sept 28 1852
1	4		W N W ½ W	North		First part a moderate breez
2	4	4				from the N and cloudy.
3	5	4				
4	5	4	W N W			
5	6					
6	6					
7	6					Night light and baffling
8	6					winds
9	4					
10	4	4				
11	3		W by N ½ N			Morning light wind and
12	2	4				cloudy
1	3					
2	3					Last part moderate and
3	3					passing clouds.
4	4					
5	4					
6	4					Bar Ther
7	3					
8	4					
9	5		W by N			One hundred and thirty
10	5					one days out
11	5	4				
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 72 W	104	32 5	9 89	27° 5	27° 4	1/2 E	1° 5	12 32 6	30° 0

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday day of Sept 29 1852
1	4	4	N b W b W			First part moderate breeze
2	4	4		N b E		and passing clouds
3	4					
4	4		W N W			
5	5		W b N W b W			8 to 12 the same
6	5					
7	5		W N W			
8	6					Morning much the same
9	6		N W b W			
10	5					
11	4	4				Last part a brisk breeze from
12	4	4				the N & passing clouds.
1	4		W N W			
2	5					
3	5		W b N N W			
4	5					
5	5					Bar 30.30 Ther 68
6	5					
7	5					
8	5					
9	5	4				One hundred and thirty two days
10	5	4	N b W b W b N			out
11	5	4	W N W			
12	5	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	119	56.1	112.4	2° 8' 40'	2° 8' 42'	1/4 pt E	2° 00'	132° 38'	132° 42'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday day of Sept 30 1852
1	6		N b y N b N	North		First part a brisk breeze from
2	6					the N and passing clouds
3	4		N N W			
4	4					At 4 tacked ship to the E and
5	7		E b N			furled the royals
6	7					
7	7					
8	7					Strong breeze and passing
9	7		E b S			clouds
10	6					Tacked ship at 1/2 9 to the N W
11	6		N W			Set the royals
12	6					
1	6					12 to 4 a fresh breez and a
2	4					heavy head sea furled the royals
3	5					Set the Royals
4	5					
5	5		S W b S			Last part moderate and pass-
6	5					ing clouds
7	5		N N W b W			
8	4					Bar 30.30 Ther 69
9	5					
10	5					
11	1	4	N W			One hundred and thirty two days
12	4					out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	123	1° 03'		7° 9' 43'	2932		1° 52'	138° 36'	135° 34'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of Sept 13 1833
1	4		W by N	Nor		First part frequent squalls
2	3		W by N			with rain. Furled the
3	3		W by N			royals
4	4					
5	6					Strong breeze and rough
6	6					head sea.
7	6					Took in gaff topsail, mizzen
8	6		N by W			top mast stay sail and
9	6					flying jib
10	6					
11	6		N by W			
12	6					Last part frequent squalls
1	6					with rain.
2	6		N by W			
3	6					
4	6	4				
5	6					Bar 30 3/4 Ther 68
6	6					
7	6					One hundred and thirty
8	6					four days out.
9	6		N W 1/2 N			
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					31 14'				133° 40'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of Oct 1st 1831
1	5	4	N by W	N NE		First part a fresh breeze from
2	5	4				the N and passing clouds.
3	5					
4	6					
5	6		N W 1/2 N			During the night a brisk
6	6					breeze and a light cloudy sky
7	6					
8	6					
9	6					Last part moderate and
10	5		N W			fine weather
11	3					
12	4	4				
1	4	4				Bar 30 42 Ther 68
2	4					
3	5	4	N W by W			
4	5	4				
5	5					One hundred and thirty
6	5		N W			five days out
7	5					
8	5					
9	5		N W 1/2 W			
10	5					
11	5		N W by W			
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					33 03 N				135° 35' W

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of Oct 3rd 1852
1	4		N by E	N by E		First part light breeze and cloudy Hove to the Ct at 3 P.M.
2	4					
3	4		N by W			
4	4		E by N ½ N			
5	4					
6	4					Clo & Brisk breeze with frequent squalls of wind and rain.
7	5					
8	5	4	East			
9	5					Took in the royals gaff topsail and mizzen topmast staysail
10	5					
11	5					
12	5					
1	5					
2	5	4	E ½ S			Clo & set gaff topsail and mizzen topmast staysail
3	5					
4	5		N by W	E by N		At 4 backed ship to the N
5	4					
6	4					
7	4	4	N N W ½ W			
8	4	4				Bar Ther
9	5		N W by N			
10	5					
11	5		N W ½ N			One hundred and thirty six days out
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					38° 14'				136° 50'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of Oct 4th 1852
1	4	4	N W by N	N E by N		First part a moderate breeze from the N E and passing clouds.
2	4	4				
3	5					
4	5					
5	5		N W West			During the night much the same
6	5					
7	5		N W ½ N			
8	5					Last part a bryk breeze and passing clouds
9	5					
10	6	4	N W			
11	6					
12	4		N W by N ½ N			
1	5					Bar 30.36 Ther 68
2	5		N W			
3	5					
4	5					
5	5					
6	5					One hundred and thirty seven days out
7	4		N W ½ W			
8	4					
9	5					
10	5					
11	4		N W ½ W			
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	124	1°44'	85.8	34°38'	34°58'		1°48'	138°34'	138°8'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of Oct 5th 1852
1	5		E ½ S	N by E		Tacked ship at 12 and
2	6	4				stood to the E.
3	6	4				fresh breeze and cloudy
4	6	4	East			sky
5	6	4				
6	6	4				During the night brisk
7	6					breeze with light passing
8	5		East by N			squalls with small rain
9	6	4	E by S			
10	6	4				
11	6					Last part the same
12	4					
1	6					
2	5		E ½ N			
3	4					
4	3		East			
5	3		E ~~by N~~			Bar 30 40 Ther 68
6	3					
7	4					
8	7					
9	6					One hundred and thirty
10	7					eight days out
11	5					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					34° 04′				136° 12′

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday day of Oct 6th 1852
1	6		E by S	N E by N		First part a fresh breeze from
2	6					the N E and passing clouds
3	4					set royals
4	6					
5	6		N W			At 4 P M tacked ship to the
6	4					N & W
7	6		N W by W			
8	4					night brisk breeze with squalls
9	6					of rain took in fore royal
10	6					
11	6		N W by N			
12	6					Morning the same set
1	5					the fore royal
2	5					
3	5					
4	5					Bar 30 45 Ther 68
5			N W			
6						
7						
8						
9						One hundred and thirty
10						nine days out
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	[illegible]				35° 57′				136° 08′

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday day of Oct 7th 1852
1	6		N.N.W ½ W	N E by N		Begins with a fresh breeze from the N & E and passing clouds
2	6					
3	6					
4	6	4				
5	5	4				
6	5	4				8 to 12 much the same, in royals.
7	5	4	N.N.W by W			
8	6					
9	6			N E		
10	6		N N.W			Morning in royals & log a strong breeze
11	7					
12	7					
1	5		N by W	N E by E		Last part a brisk breeze with a light cloudy sky,
2	4					
3	4	4				
4	4	4				
5	5		N N.W			Bar 30 48 Ther 55
6	5					
7	7					
8	6					
9	5		N ½ W			One hundred and forty days out
10	5					
11	5		N N.W	N East		
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by W ½ W	122							135° 38'	

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of Oct 8th 1852
1	5		N.N.W by N	N E		Begins with a brisk breeze with occasional passing squalls
2	5					
3	5		N N.W			
4	5					8 to 12 the same
5	5					
6	5					1 to 4 moderate with heavy head sea, set royals
7	5		N by W ½ W			
8	5					
9	5		N by W			
10	5					Last part a brisk breeze with passing clouds and a swell from the N.W
11	5					
12	5		N ½ E			
1	3					
2	3					
3	3		N ½ W			
4	3					Bar 30 51 Ther 65
5	5					
6	5					
7	5	4				
8	5	4				One hundred and forty one days out
9	5		North			
10	5					
11	5		N ½ E			
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					38° 37' N				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of Oct 9th 1852
1	4		N ½ W	E by E		First part moderate breeze
2	4					and cloudy weather
3	3	4				
4	3	4				
5	4		North			At 11 tacked to the E
6	4					
7	4	4	N by E			
8	4	4				
9	3					During the night light airs
10	3					
11	2					and cloudy, fine weather
12	2		SE by E			
1	1					
2	2					Morning the same
3	1					
4	1					
5	1					
6	1		NNE	East		Bar 30 45 Ther 65
7	2					
8	2		N by W			
9	2		& SE			One hundred and forty two
10	2					days out
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					39° 17'				135° 44'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of Oct 10 1852
1	1	4	SE	E by E		First part light airs from
2	1	4				the E and fine clear weather
3	1	4				
4	1	4				
5	1	4	SE by E			During the night light airs
6	1	4				and calms
7	2		E by E			
8	2					Last part the same
9	1					
10	1					
11	1					
12	1					Bar 30 40 Ther 64
1	2			NE to		
2	2			E by E		
3	2					No Obs
4	2					
5	1					
6	1					
7	2					One hundred and forty three
8	2					days out.
9	2					
10	2					
11	2		SE	E by E		
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H:	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Mondaday of Oct 11th 1852
1	1	4	E S E	N E		First part light airs and
2	1	4				calms.
3	1	4				
4	1	4				
5	1	4		Variable		During the night the same
6	1	4	N by E	"		
7	1	4	N E			
8	1	4				Last part much the same
9	1	4		"		at 10 PM a light breeze sprang
10	1	4				up from the W set all
11	1					the Starboard studding sails
12	1		E S E			
1	1			"		
2	0		Calm			
3	0					Bar 30 40 Ther 63
4	0					
5	0					
6	0			"		No Observation
7	0					
8	0					
9	0					
10	0			"		One hundred and forty four
11	1		E by N			days out
12	1					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of Oct 12 1852
1	1		E by N	Variable		Light variable airs and calms
2	1					
3	0		Calm	Calm		N by W a light breeze
4	0					springing from the S E
5	0					
6	0					
7	1		E by N	S W		During the night a light
8	2					breeze and cloudy sky
9	2					
10	2					Morning the same
11	2					
12	2	4				
1	2	4				
2	3	4				Bar 30 42 Ther 60 56
3	3	4				
4	3	4				
5	2					
6	2					No Observation
7	2					
8	2					
9	2	4				One hundred and forty five days
10	2	4				out —
11	3					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					38° 27 N				134 13 W

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday of Oct 13 1852
1	2	4	E by N	S by W		First part a light breeze
2	2	4				and cloudy Sky
3	2	4				
4	2	4				
5	2	4	E by N ½ N			12 to 4 a moderate breeze
6	2	4				from the S with a cloudy Sky
7	2	4				
8	2	4				
9	1					
10	1					Morning the same saw
11	4			South		two sails from aloft
12	4					
1	4			S S W		
2	4					
3	4					Bar 30,30 Ther 64
4	4					
5	5					No Observation
6	5					
7	5					
8	5					
9	6					One hundred and forty
10	6	4				six days out
11	6	4				
12	6	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday of Oct 14th 1852
1	7		E N E ½ E	South		First part a brisk breeze
2	7					from the S with cloudy weather
3	7					and a long swell from the
4	7	4				N East
5	7	4				
6	7	4				
7	7	4				8 to 12 much the same
8	7	4				
9	8					
10	8					Morning a fresh breeze
11	8					and cloudy, in Lower Mast
12	8					sails
1	8					
2	8					Last part a fresh breeze
3	7	4				and veers to the S E, took in
4	7	4				all the Studing sails
5	7	4				
6	8					Bar 30 10 Ther 63
7	8		E N E			
8	8					
9	7	4	E by N ½ N			One hundred and forty seven days
10	7	4				out
11	7	4				
12	7	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					35				134

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of Oct-15 1852
1	7		E by N	S by S		~~Friday day~~
2	7					
3	7					First part a brisk breez-
4	7					and cloudy weather
5	7	4				
6	7	4				6 & 8 the same in royals
7	7	4				
8	7	4	E ½ N			
9	7					
10	7					Last part the same.
11	7					
12	7					
1	7					Tomorrow the Captain expects
2	7					to see land. This afternoon we
3	7	4	East	S by E		caught a porpoise.
4	7	4				
5	7	4	E by N			Bar 30.10 Ther 60
6	7	4				
7	7	4	E ½ N			
8	7					One hundred and forty eight
9	8		East			days out
10	8					
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					38°20'				126° 54'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of Oct 16 1852
1	7		East	SSE		First part a fresh breeze
2	7					from the S and clear offing.
3	7					
4	7					6 & 8 more moderate set royals
5	7		E ½ N			
6	7					
7	7					Morning moderate breeze and
8	7					cloudy
9	7					
10	6	4				
11	5		E by N			This morning at 5 AM saw
12	5					the land on the bow, bent
1	5					the cables and got the anchors
2	5					in the shoe.
3	4		E ½ N			
4	4					
5	4					
6	4					Bar 30 18 Ther 60
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				35 [illegible]	38° 05'				124° 04'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of Oct 17th 1852
1	4		E by N	SE by S		First part a light breeze with a cloudy sky
2	4					
3	3		E by E			
4	3					At 6 tacked to the E
5	2			E S E		
6	2					During the night light breeze and foggy.
7	2		S by W			
8	1					
9	1		S S W ½ W			At 4 A M tacked to the E.
10	1					
11	1					
12	2					
1	2	4				Morning much the same
2	2					
3	2		S W by S			
4	2					
5	4		E by N			
6	4					
7	4					
8	4					
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, day of 18
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL from San Francisco towards Calcutta 1852

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of Nov 2nd 1852
1						At noon the pilot came on
2						board and hauled out in
3						the stream.
4						At 2 P.M. made all sail
5						and stood down the chan-
6						nel. At 8 P.M. tacked to the
7						S.E. & E. and discharged
8						the Pilot. At 8 port More
9	8		S by W	N.W.		about E. by S. 6 26 miles
10	9					8 to 12 breeze freshened and
11	9	4	S by W ½ W			veered to the N.W.
12	9	4				12 to 4 a strong breeze and
1	9	4	S by W	N.W by N		heavy flaws. At 1 A.M. car-
2	9	4				ried away jib boom close to
3	9	4				the cap
4	9	4				
5	9					Last part strong breeze and
6	9					clear
7	9					Bar 30 Ther 58
8	9					
9	9					
10	9	4				One day out
11	9	4				
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					35° 23' N	1½ E			123 39

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday day of Nov 3rd 1852
1	10		S by W	N.N.W		Begins with a strong breeze
2	10					and heavy sea
3	10					Got the anchors on the
4	10					rail and secured the
5	10					provissions
6	10					
7	10					During the night a
8	10					strong breeze and clear
9	10					
10	10					morning passing clouds
11	10					
12	10					Last part the same
1	10					unbent the chains and
2	10					stowed them in the locker
3	10					
4	10					Bar 29 90 Ther 62
5	10					
6	10					
7	10					
8	10					Two days out
9	10		S by W ½ W			
10	10					
11	10					
12	10					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					31° 28' N	1½ E			

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday day of Nov 4th 1852
1	10		S by W½ W			First part a strong breeze from the N and clear
2	10			N N W		
3	10					
4	10					
5	10					Bent a fore topsail
6	10					
7	10		S S W			
8	10					During the night a strong breeze and clear
9	10					
10	10					
11	10					Last part moderate set all the light sails
12	10					
1	10			North		set Starboard Studd Sails.
2	10		S S W ½ W			
3	10					Bar 30. 08 65 Ther 65
4	10					
5	9					
6	9					
7	9					Three days out
8	9					
9	7		S W by S			
10	7					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					28° 11'				126° 48'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of Nov 5th 1852
1	7		S S W			First part a moderate breeze from the N by W
2	7					
3	7					
4	7					12 to 4 the same.
5	7					
6	7					
7	7					Last part moderate breeze
8	7					and clear
9	7					
10	7					
11	7					
12	7					Bar 30.35 Ther 66
1	7					
2	7					
3	7					
4	7					Fourth day out
5	7					
6	7					
7	7					
8	7					
9	7					
10	7					
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					26° 26'				129° 14'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of Nov 5th 1832.
1	6		SWbyW	NEbyE		First part a moderate breeze and clear
2	6					
3	6	4				
4	6	4				
5	6					During the night much the same
6	6					
7	6					
8	6					
9	6	4				Last part fine clear weather shifted over standing sails
10	6					
11	6	4				
12	6					
1	6	4				
2	6	4				Bar 30.28 Ther 62
3	6	4				
4	6	4	WSW	ENE		
5	6					
6	6					Fifth day out
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					25 24				137 34

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of Nov 6th 1832
1	6		SWbyW	NEbyE		First part, moderate breeze and clear
2	6					
3	6		SWbyW			
4	6					
5	6	4				
6	6	4				During the night the same
7	6			ENE		
8	7					
9	7					Last part the same
10	7					
11	7					
12	7	4				
1	6	4				
2	6	4				Bar 30.20 Ther 72
3	6	4				
4	6	4				
5	6	4				Sixth day out
6	6	4				
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					23 32				136 36

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of Nov 8th 1852.
1			SW ½ W	NE by E		First part a moderate breeze
2	6					and clear
3	6		SW by W ½ W			
4	6					During the night a fresh
5	6					breeze and passing clouds
6	6	4				
7	6	4		E N E		
8	7					Morning the same
9	7					
10	7					
11	7					
12	6	4				Bar 30.20 Therm 52
1	6	4				
2	6	4				
3	6	4				
4	6	4				
5	6	4				
6	6	4				
7	6					Seven days out
8	6					
9	6					
10	7					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					23° 32′				134° 35′

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of Nov 9th 1852.
1	6	4	SW by W			First part moderate
2	6	4				breeze from the NE & E and
3	6	4				fine clear weather
4	6	4				
5	6	4				
6	6	4				During the night passing
7	6	4				clouds with occasional light
8	7					rains
9	7		SW by W ½ W			
10	7					
11	6	4				Morning much the same
12	6	4				
1	7					
2	7					
3	7					
4	7		W S W			
5	6	4				
6	6	4				
7	6	4				
8	6	4				
9	6	4				
10	6	4				
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday of Nov 10th 1852*
1	6	4	S W by W	Fresh		First part moderate and
2	6	4		Sky E		clear
3	6	4				
4	6	4				During the night fresh
5	6	4				breeze and clear
6	6	4				
7	6	4				
8	6	4				Morning the same
9	7					
10	7					
11	7					
12	7					Bar 30.22 Ther 73
1	7					
2	7					
3	7					
4	7					Nine days out
5	7					
6	7					
7	7					
8	7	4				
9	7	4	W by S 10			
10	7	4				
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					2° 36′				142° 10′ W

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, day of* 18
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of Nov 12 1852
1	6		W S W	E N E		First part moderate and
2	6					passing clouds
3	6					
4	6					
5	6					During the night the same
6	6					
7	6					Morning light breeze and
8	6					clear
9	7					
10	7					
11	6					Last part light airs and
12	6	4				calm
1	6	4				
2	6					
3	6					Bar 30 18, Ther 63.
4	6					
5	6					
6	4					
7	4					
8	3					Eleven days out
9	3					
10	3					
11	2					
12	2	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SW by W 1/2 W	124	30	~~2° 15'~~ 76 E	21° 04'	21° 06' N	3/4 NE	2° 15'	145° 19'	147° 15' W

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of Nov 13 1852
1	2		W S W	E N E		First part a light breeze
2	3					and clear weather
3	3					
4	3					
5	3					
6	3					During the night the same
7	3					
8	3					
9	3					
10	3		W by S 1/2 S			Morning the same
11	3	4				
12	3	4				
1	3	4				
2	3					Bar 30 10 Ther 75
3	3					
4	3	4				
5	3	4				
6	3	4				Twelve days out
7	3	4				
8	4	4				
9	4	4				
10	4	4				
11	4	4				
12	4	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	83	75'	75'	20° 40'	20° 44'	1/2 NE	1° 09	148° 28'	148° 24'

JOURNAL *from San Francisco towards Calcutta*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of Nov 14 1852*
1	4		W by S	N E		First part a light breeze
2						and clear weather
3	4					
4	4	4				
5	4	4				
6	5					During the night moderate
7	5					variable winds and clear
8	5					weather
9	5					
10	4	4				
11	4	4		N E		Morning moderate breeze
12	4			by		from the E and clear
1	4	4		E		weather.
2	4	4				
3	5					
4	5					
5	6					Bar 30 14 Ther 76
6	5					
7	5					
8	5					Thirteen days out
9	5					
10	5					
11	5			E by S		
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 9° W	83	32	73	20° 40'	20° 38'	1½ M E	1° 39'	148° 25'	150° 14'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of Nov 15 1852*
1	4	4	N by S			First part moderate breeze
2	4	4				from the E by S to E by N and
3	4	4				fine clear weather
4	4	4				
5	5		N ½ E			Middle part the same
6	6					
7	6					
8	5					
9	5					Morning the same
10	4	4				
11	4	4				
12	4	4				
1	5					
2	6					Bar 30 15 Ther 78
3	6					
4	6	4				
5	6	4				
6	6	4				Forteen days out
7	6	4				
8	6	4				
9	6	4				
10	6	4				
11	6		W by S			
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 89° W	132	.02	132	20° 40	20° 36	1½ M E	2° 20	152° 37'	152° 37'

JOURNAL *from* [illegible] *towards* [illegible]

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of Nov 16th 1852
1	6	4	W½S	East		First part a moderate breeze from the E and fine clear weather.
2	6	4				
3	6	4				
4	6	4				
5	6	4				During the night a fresh breeze and clear.
6	6	4				
7	6	4				
8	6	4				Morning the same.
9	6	4				At daylight saw Cowlyee bearing S½W per Compass
10	6	4				
11	6	4				
12	6	4				At noon the southern point of Mowee bore W¾S the N.W point Cowlyee S½W
1	7					
2	7					
3	7					
4	7					
5	7					Bar 30.10 Ther 79
6	7					
7	7					
8	7					Fifteen days out
9	8					
10	9		SW by W			
11	9					
12	9					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S70W	182	10	172	20°30	20°37½	3/4 pt E	2°10	155°25	155°27½

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday of Nov 17th 1852.
1	8		W SW	East		First part a brisk breeze from the E and passing clouds.
2	8					
3	8					
4	8					At 6 PM the SE point Mowee bore N W¾W
5	8					
6	8					Tahoorwai N W½W per compass.
7	8					
8	8			E by E		8 to 12 a brisk breeze and passing clouds. At 4 PM moderate to a light breeze
9	8					
10	8					
11	8					
12	7					
1	4		SW by S½S			At daylight Cowlyee and Mowee in sight astern
2	4					
3	5					
4	5					
5	5					Bar 30.10 Ther 79
6	5					
7	5					
8	5					Sixteen days out
9	5		W S W			
10	5					
11	5	4				
12	5	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 62 W	186	87	182	20 40	20°06	3/4 E	2°32	155°19	155°22

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thurs day of Nov 18 1852
1	5	4	W S W ½ W	E by E		First part a light breeze
2	5	4				and clear weather
3	5	4				
4	5					During the night light
5	4					breeze and clear weather.
6	3					
7	3		W S W	East		
8	3					At 8 moderate breeze from
9	3					the E S E and clear
10	3			S E		
11	3					Last part veers to the E
12	3					
1	2					
2	2			South		Bar 30 06 Ther 78
3	1					
4	1					
5	2			S S E		
6	3					
7	7					Seventeen days out
8	7			S E		
9	7					
10	7					
11	7			E S E		
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 64 W	90.3	25.4	89.4	19° 30'	19° 36' N	1½ pts E	1.56	140° 15'	140° 18' W

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Fri day of Nov 19 1852
1	7		W S W	East		First part moderate breeze
2	7					from the E and clear weath-
3	6	4				er.
4	6					
5	6					
6	6		"			8 & 12 the same
7	6					
8	5			E S E		
9	7					During the night the same
10	7					
11	7	4				
12	7	4	"			
1	7	4				Bar 30 10. Ther 82
2	7	4				
3	7	4				
4	7	4				
5	7					
6	7					Eighteen days out
7	7		"			
8	7					
9	7					
10	8	4				
11	7					
12	7	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 45 W	147.	146.04	16.2	15° 38'	19° 04	1½ pts E	2° 16'	143° 03'	162° 55'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Satar day of Nov 20 1852
1	6		W SW	E by N		First part moderate breeze and squally
2	6					
3	6					
4	6					6 to 8 squally with rain, took in Starboard studding sails
5	6					
6	6					
7	7		W by N	South		
8	7					
9	3		W SW			12 to 4 variable with passing clouds
10	4					
11	3					
12	4					
1	3					To day we are six months from home, and I hope that in six months more we shall be home again.
2	3					
3	7	4				
4	7	4				
5	8					
6	8					Bar 30 13 Ther 81
7	8					
8	7	4				
9	8					
10	8					Nineteen days out
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 66 W	120	49 S	110 W	1 8°41'	1 8°40	NW ½ pt	2,31	165.20	165.26

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sund day of Nov 21 1852
1	7		W SW	S E by E		First part a moderate breeze from the S E and clear weather
2	7					
3	7					
4	7					
5	7					During the night a fresh breeze and squally with rain.
6	7					
7	7					
8	7					
9	7					Last part a brisk breeze and clear weather.
10	7	4				
11	7	4				
12	8					
1	8					
2	8					Bar 30 10 Ther 81
3	8		W by S ½ S			
4	8					
5	8					
6	8					Twenty days out
7	8					
8	8					
9	8					
10	8					
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S W	120	32 S	183	18°02'	18°01'	3/4 NE	3'12	168°4'	168°48'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of Nov 22 1852
1	8		W by S	East		First part a brisk breez from the E. & passing clouds
2	8					
3	8	4				During the night much
4	8	4				the same
5	8					
6	8					
7	7					Morning a moderate
8	7		W S W			breeze and clear
9	7					
10	7					Last part the same
11	7					
12	7					
1	7					
2	7					Bar 30 10 Ther 83
3	7					
4	7					
5	7		W by S ½	S E	S E	
6	7					Twenty two days out
7	7					
8	7					
9	7					
10	7		W by S	S E by E		
11	6	4				
12	6	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 2 W	162	10.9 S	136.8	17° 30'	17° 51'	3/4 pt E	2° 37	171° 42	171° 42

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of Nov 23 1852
1	6		W by S	S E		First part a fresh breeze
2	6					from the S E and squally
3	7		W by N			with rain in Stat'n'd
4	7					sails.
5	6	4	W by S			
6	6	4				
7	7	4	W S W			During the night a
8	8	4				fresh breeze and squally
9	2		W S W ½ W			with ~~rain~~ rain.
10	6					
11	6					
12	6					
1	7					Morning the same
2	7					
3	7					
4	8					
5	7					Bar Ther
6	7					
7	7					
8	7					
9	7		W ½ S			Twenty two days out
10	7					
11	6	4	W by S			
12	6	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 83 W	154	16.2 S	153.2	17° 36'	17° 43	3/4 E	2.38	174° 2	

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday day of Nov 24 1852
1	5		W S W	S E		First part a moderate
2	5			"		breeze from the S E &
3	5					cloudy rainy weather
4	4		W S W 1/2 W			
5	4					During the dog watch from
6	4					6 to 8 we came as near loosing
7	6					all our sticks as was possible
8	4					by being taken aback
9	9		W by S			by a squall, but were
10	9					fortunate enough to loose
11	9					only fore top mast stud
12	8					sail boom, we hauled down
1	7					all the stud sails, clewed up
2	7			E by N		the royals and top gallant
3	6					sails, and let go the main
4	5					top sails halyards.
5	3					
6	3					During the night a strong
7	3					breeze & a 12 set the stud
8	3					sails.
9	4					
10	5			N E		Bar 30 19 Ther 80
11	6		W by S 1/2 S			
12	7					Twenty three

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 84 W	139	12.07	138.2	17.32	17.33	1 1/4 W	2.43	176.40	176.2 W

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday day of Nov 24 1852
1	8	4	W by S 1/2 S	N E		During the night a
2	8	4				strong breeze from the
3	8	4				N E and clear weather
4	8	4	W by S			
5	8	4				During the night a
6	8	4				fresh breeze and cloudy
7	8	4				
8	8	4				
9	8					At 30 past 4 carried away
10	8					starr swinging boom &
11	8					
12	8					
1	8					
2	8					Morning the Same
3	8					
4	8		W			
5	8					Bar 30 0 9 Ther 81
6	8					
7	8					
8	8					
9	8					Twenty four days out
10	8	4				
11	8	4				
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 84 W	139	13.7	137.5	17.32	17.33	1 1/4 W	2.43	4	

S 87 W 196 09 | 180 17 32 | 723 1 1/4 W 3.2 4 179 32 180

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of Nov 27 1852.
1	8		W ½ S	E by E		First part a fresh breeze
2	8					from the E by E with passing
3	8					rain squalls
4	8					
5	8		West			
6	8					During the night the same
7	8		W by S			
8	8					
9	8	4				
10	8	4				Morning the same
11	8					
12	8		"			
1	8					Last part a fresh breeze
2	8					and passing clouds
3	9					
4	9					
5	9		"			Bar 30 08 Ther 81
6	9	4				
7	9	4				
8	9	4				
9	10					Twenty five days out
10	10					
11	10		"			
12	10					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 85 W	204	18.8	199.	17° 35'	17° 37'	7 pts E	3-30	176. 18'	176. 22' E

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of Nov 28th 1852.
1	9		W by S	E by E		First part a fresh breeze from
2	9					the E by E and clear weather
3	9	4				
4	9	4				8 to 12 fresh breeze and clear
5	9					
6	9					12 to 4 strong breeze and
7	9					squally with rain
8	9					
9	9					
10	9					Bar 30 00 Ther 80
11	9					
12	9					
1	9	4				
2	9	4				Twenty six days out
3	10					
4	10					
5	10		W ½ S			
6	10					
7	10		West			
8	10					
9	9					
10	9					
11	9	4	W by S			
12	8	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 87 W	224	.02	222.3	17° 33'	17° 39'	3 pts E	3° 3'	172. 21	172. 24

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of Nov 29 1852
1	8	4	N ½ E	N E		First part a brisk breeze
2	8	4				from the N E and fine
3	8	4				clear weather
4	8	4				
5	8	4				8 to 12 much the same
6	8	4				
7	8	4	"			
8	8	4				
9	8	4		N, N E		Morning a fresh breeze
10	8	4				with passing showers
11	9	4				
12	9	4				
1	9		"			Last part, much the same
2	9					
3	9					
4	9					
5	9					Bar 30 Ther 81
6	9					
7	8	4	"			
8	8	4				
9	8					Twenty seven days out
10	8					
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
W ½ N	19.8	19.3	1.9 W	17° 06'	17.49	10° E	3° 30'	14 8, 30	168° 30' W

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of Nov 30 1852
1	8		N ½ E			First part a fine breez
2	8					from the N E and clear
3	8					weather
4	8					
5	7		West			
6	7					during the night a brisk
7	7		W ½ S			breeze & passing clouds.
8	7					
9	7					
10	7					Last part fine breeze
11	7					and clear
12	7					
1	7					
2	7					
3	7	4				Bar 30 0 Ther 82
4	7	4				
5	7					
6	7					
7	7					Twenty eight days out
8	7					
9	17	4				
10	7	4				
11	7					
12	7	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
W ½ N	175	175	17.5	17° 39'	17° 26'		3. 0°	165° 43'	165° 33' W

JOURNAL *from* *towards* Dec 1st

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednes day of ~~Nov~~ Dec 1852
1	8		W ½ S	E ½ E		First part a moderate
2	8					breeze from the E ½ E
3	8					clear weather
4	8					
5	8	4				
6	8	4				During the night a brisk
7	9					& passing clouds
8	9					
9	9	4				morning moderate breeze
10	10					& clear
11	10					
12	10					
1	9					
2	8	4				Bar 30.06 Ther 83
3	8	4				
4	8	4				
5	8	4				
6	8	4				Twenty nine days out
7	8	4				
8	8	4				
9	8	4	West			
10	8	4				
11	8	4				
12	8	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 86° W	210	13	195	18° 01'	18.08	1pt E	3.28	162.28	162.15

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thurs day of Dec 2nd 1852
1	8	4	West	E ½ E		First part a fresh breeze
2	8	4				from the E ½ E with a
3	8	4				heavy swell from the N E
4	8	4				
5	8	4				
6	8	4				during the night fresh
7	8	4	W ½ S			breezes and clear.
8	9					
9	8	4				
10	8					morning moderate breeze and
11	8					clear.
12	8					
1	8					
2	8	4				Bar 30 10 Ther 83
3	8					
4	8					
5	8					
6	8					
7	8					
8	8					
9	8					Thirty days out.
10	8					
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 84° W	202	[illegible]	202	18° 18'	18° 16	10° E	3° 03'	165° 47'	165° 36'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of Dec 3rd 1852.
1	8	4	W½S	E by N		First part a brisk breeze
2	8	4				from the E by N and clear
3	8	4				
4	8	4				
5	8	4				During the night much
6	8	4				the same
7	8	4				
8	8	4				
9	8	4				Last part the same
10	8	4				
11	8	4				
12	8	4				Bar 30 08 Ther 83
1	7	4				
2	7	4				
3	7	4				Thirty one days out
4	7	4				
5	8	4				
6	8	4				
7	8	4				
8	8	4				
9	8	4				
10	8	4				
11	8	4				
12	8	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S½W	200.	0,04	199.	18,20	18° 21'	10° E.	3°20'	35°14'	155° 16'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of Dec 4th 1852
1	8		W by S	E by N		First part a brisk breeze
2	8					from the E by N and fine
3	8					clear weather
4	8	4				
5	8	4				
6	8					During the night a mod-
7	8					erate breeze and passing
8	8					clouds
9	8		W½S			
10	8					Last part moderate
11	7	4				breeze and clear
12	7	4				
1	7					
2	7					Bar 30 11 Ther 84
3	7					
4	7					
5	16	4				
6	6	4				Thirty two days out
7						
8	7					
9	7	8				
10	8					
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
W by S	181	10	180	18,10	18° 16'	8½ E	3° 4½'	132°29'	137° 29'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of Dec 5th 1852
1	8		W½S	E by E		First part a brisk breeze
2	8					from the E by E and fine
3	8					& clear weather
4	8					
5	8					During the night a fresh
6	8					breeze from with passing
7	9					clouds
8	9					
9	9					Morning much the same
10	9					
11	9					
12	9					
1	9					Bar 30 10 Ther 84
2	9					
3	9					
4	9					
5	9					Thirty three days out
6	9					
7	9					
8	9					
9	9					
10	9					
11	8	4				
12	8	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
W¼N	203	0°08'	195	18°02'	18°00'	3/4 E	3°20'	148°12'	148°18'E

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Mond day of Dec 6th 1852
1	9	4	West	E by E		First part fresh breeze
2	9	4				and clear weather
3	9	4				
4	9	4				
5	9					Continued the same through
6	9					the day
7	9					
8	9					
9	9					
10	9					night the same with passing
11	9					clouds
12	9					
1	9		W½S			
2	9					Bar 30 05 Ther 85
3	9		West			
4	9					
5	8					
6	8					Thirty four days out
7	8					
8	8					
9	8					
10	8					
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
W	193	0 00	196	18°00	18°01'	3/4	3°40'	144 25	144 30

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of Dec 7th 1852
1	8		West	E by N		First part a brisk breeze
2	8		W by N			from the E with squalls
3	8	4				and rain.
4	8	4				
5	8	4				6 to 8 strong squalls with
6	8	4				rain, & in the light-stud-
7	8					sails, and fore royal.
8	8					
9	9					8 to 12 took in all the
10	9	4				stud sails, main royal
11	10					and fore topgallant sails.
12	9		West			
1	9					12 to 4 very strong squalls
2	9					with heavy rain, took in
3	8					the main topgallantsail.
4	8					
5	8					Morning much the same
6	7					
7	7					Bar 30 01. Ther 81
8	7					
9	7	4				Thirty five
10	7	4				Thirty four days out
11	7	4				
12	8					So Obs

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
W by N	185	025	1.53	1827		3/4 kt W	3.20	141.26	Obs.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday day of Dec 8 1852
1	6	4	W by N	East		First part a moderate breeze
2	6	4	West			from the E with squalls and
3	7					rain.
4	7					
5	7					8 to 12 strong squalls with
6	7					heavy rain, took in main *
7	6	4				royal and fore topgallant
8	6	4				sails.
9	6	4				
10	9					12 to 4 strong breeze and
11	9					squally with rain
12	8					
1	8					morning fresh breeze and
2	9	4				cloudy set fore topgall sail.
3	10					
4	8	4				Fast part heavy squalls
5	8	4				took in fore topgall sail, double
6	8	4				reefed the topsails and furled
7	8	4				the mainsail, afterwards furled
8	8	4				the jib and foresail and close reefed
9						the topsails.
10						Bar 29.90 Ther 81
11						
12						Thirty five days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursd day of Dec 9th 1852
1	4		W by S	South		First part a fresh gale
2	3	4	E by S ½ S			from the S and a very wild
3	2	4				and threatning appearance
4	2	4				at 1 PM wore ship to the E.
5	2	4				
6	3		W by S			At 8 PM more moderate set
7	4		W ½ S			the foresail and mizzen stay
8	5					sail, wore ship to the S W
9	5		West			
10	5					6 to 8 moderate set jib, main
11	6					sail and one reef odt of the
12	6					topsails
1	7		W ½ W	S W		8 to 12 moderate breeze and
2	7	4				clear set all sail
3	7	4	N W	W S W		
4	7					Morning light breeze with
5	6		South			passing clouds and rain
6	5					
7	4					
8	3					
9	2		S S W			
10	1					Thirty seven days out
11	0					
12	0					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N ½ W	90	0 91	8	18° 28'	18° 29'	3/4 E		13° 56'	136° 56'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of Dec 10 1852
1	0		Calm			First part calm and
2	0					cloudy with rain
3	0					
4	0					8 to 12 light variable breeze
5	0					and cloudy
6	2		West	N N W		
7	2	4				12 to 4 much the same
8	2	4				
9	2					Morning variable with
10	2		N ½ W			rain
11	2					
12	4		W S W			
1	4					Last part set all the
2	4		W ½ N	North		stud sails &c &c.
3	4					
4	1	4				Bar 29.97 Ther 81
5	2					
6	2					
7	2					
8	2					Thirty eight days out
9	5					
10	3					
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	56	56	18 34/51	18° 35'	18° 34'	3/4 E	0° 03'	136° 01'	136° 48'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday of Dec 11 1852
1	1	4	West	SSE		Begins with a light air from the S with passing clouds
2	1	4				
3	2					
4	4			SW		
5	1	4				8 to 12 light variable airs and cloudy
6	1	4				
7	0			Variable		
8	0					
9	0					Morning light breeze and clear set all the Larboard stud sails.
10	0					
11	0					
12	2					
1	2					
2	3					Last part heavy squalls took in all the stud sails clewed down the royals and lch gallant sails.
3	3					
4	3					
5	3					
6	3	4				Bar 30 Ther 82
7	5					
8	5					
9						
10						Thirty nine days out
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
West.	49.	0,03	43	18,43	18,44		46.	135.09	133,12

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of Dec 12 1852
1	0			Variable		First part light airs calm and clear weather
2	0					
3	1		WSW			
4	1					
5	1					during the night light airs and clear
6	1					
7	1		West			
8	1					
9	1					
10	1					Last part moderate breeze and clear
11	2			SWly		
12	2					
1	1					
2	1	4				
3	2					Bar 30. Ther 82
4	2					
5	2					
6	2					
7	2					Forty days out
8	2					
9	3					
10	4	4				
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
West	44	0.0	42	18°47'	18°46'		0..43	136.25	134.24

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of Dec 13 1852.
1	4	4	N N W	S W		Begins with a light
2	4	4				breeze from the S W &
3	4	4	N W by W	S W by W		and fine clear weather
4	4	4				
5	4	4				took in all the Stud sails
6	4	4				
7	3	4				
8	3	4				
9	4					during the night light
10	4					breeze and sparkling
11	3	4	N W			clouds
12	3	4				
1	2	4	S W ½ S			
2	2	4				
3	3					Morning a fresh breeze
4	4					and cloudy
5	4		W S W			
6	7					
7	8					Bar 7 her
8	5		West	North		
9	8					
10	6					Forty one days out
11	5		W ½ S			
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
W by N	115	0,02	116	18° 48'	18,48		1° 44	132° 48'	132° 30'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of Dec 14 1852
1	6	4	West	North		First part moderate breeze
2	6	4				and clear weather
3	6	4				
4	6	4	W ½ N			6 to 8 a strong breeze and
5	7		W by N			cloudy, in reefs & gaff topsail and spanker
6	7					
7	9					
8	10					8 to 10 strong breeze and
9	10		N E			squally with rain, close
10	10					reefed topgallant sails
11	9	4				
12	9	4				
1	9	4				Last part more moderate
2	10					set all the light sails
3	10					
4	10					
5	9					Bar 30.04 Ther 83
6	9					
7	9					
8	9					Forty two days out
9	9					
10	9					
11	9	4				
12	9	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
W by N	213	0 29	2.11	19° 14'	19° 44'	3° 42'	3° 42'	129° 00'	129° 18'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday of Dec 15 1852
1	9	4	W by N			First part a brisk breeze from the N E & cloudy
2	9	4				
3	9	4				
4	9	4				
5	9	4				6h 12 fresh breeze and clear
6	9	4				
7	9					
8	9					Morning moderate breeze and cloudy
9	9					
10	9					
11	9					Last part a brisk breeze and passing clouds
12	9					
1	9					
2	9					
3	8	4				Bar 30 14 Ther 78
4	8	4				
5	9					
6	9					
7	8	4				
8	8	4				Forty three days out
9	9					
10	9					
11	9					
12	9					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
W by N	220	0° 31′	2° 19′	19° 04′	19° 07′		3° 40′	123° 3′	128° 34′

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday of Dec 16 18
1	9		W by S	N E by N		Begins with a strong breeze
2	9					from the N E & squally
3	9					in all Stud sails
4	9					
5	10		W ½ W			6h 8 strong breeze and
6	10					squally in top gallant sails
7	10					
8	10					12 to 4 a strong breeze with
9	9	4				heavy squalls in main top
10	9	4				gallant sail, and haul up
11	9					the main sail
12	9					
1	9	4				
2	9	4				Bar 30 10 Ther 76
3	9	4				
4	9	4	N W by W ½ W			
5	9	4				
6	9					
7	9					
8	9					
9	9					Forty four days out
10	9					
11	9					
12	9					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
W 13 N	221	87	203	19° 38′	19° 54′		2° 17′	128° 37′	128° 54′

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Friday day of Dec 17 1852.*
1	9	4	S by W	E by E		Begins with a fresh breeze
2	9	4				from the E by E and passing
3	9	4				clouds, at 5.30 P.M saw a brig
4	9	4				standing west.
5	10					
6	10					8 to 12 a strong breeze and
7	10					passing clouds.
8	10					
9	10					12 to 4 the same took in
10	11					main royal.
11	11					
12	11					morning the same set main
1	10					royal.
2	10					
3	10					last part a strong breeze
4	10					from the E by E and passing
5	10		S West			clouds
6	10					
7	10		S by W ½ W			Bar 30 10 Ther 78
8	10					
9	10					The greatest run yet
10	10		S W by W	N E		Forty five days out
11	10					
12	10					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 62 W	253	2° 03'	3° 40'	17° 49'	17° 50'		3° 30'	118° 02'	118° 03'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Saturd day of Dec 18 1852*
1	10		S W by W	N E by E		First part a fresh breeze
2	10					from the E and clear weather
3	10					set the lower stud sail.
4	10					
5	10		S W ½ W			at 3 set top gallant stud
6	10					sail
7	10			N N E		
8	10					During the night a fresh
9	10					breeze and clear.
10	10					
11	10					Morning the same
12	10					
1	10					
2	10					Bar 30 10 Ther 79
3	10		S W			
4	10					
5	10					Forty six days out
6	10					
7	10					
8	10					
9	10					
10	10					
11	10					
12	10					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S W ½ W	240	2° 23'	1° 50'	15° 14'	15° 16'		3° 00'	115° 08'	115° 08'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of Dec 19 1852
1	10		S West	N N E		Begins with a fresh breez from the N N E & clear weather
2	10					
3	10					
4	10					
5	10					8 to 12 much the same
6	10					
7	10					Continues the same during the night.
8	10					
9	10					
10	10					We are going in to Singapore to get a new jib boom, and if this wind last shall be in by Thursday.
11	10					
12	10					
1	10					
2	10					
3	10					
4	10					
5	10					Bar 30.05 Ther 77
6	10					
7	10					
8	10					Forty seven days out
9	10					
10	10					
11	10					
12	10					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S W	240	230′	172	12° 40′	12° 43′		2′ 33′	112° 17′	112° 22′

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of Dec 20 1852
1	10		S W ½ W	N N E		First part a fresh breeze and passing clouds.
2	10					
3	10					
4	10					
5	10					6 to 8 squally took in royal stud sail
6	10	4				8 to 12 a strong breeze with heavy
7	10	4	S W			squalls took in all but the lower
8	10	4				and top gallant stud sail and
9	10	4				clewed down the royals.
10	10	4	S W ½ W			
11	10	4				12 to 4 strong breeze with very
12	10	4				heavy squalls clewed up the
1	10	4				top gallant sail, and hauled
2	10	4				up the main sail.
3	10	4				
4	10	4	S W			Morning more moderate set
5	10	4				top gallant sails.
6	10	4				
7	10	4				At 8 A M made a small
8	10	4				spanish island
9	10	4	S W ½ W			
10	10	4	S W.			Bar Ther
11	10	4				Forty eight days out.
12	10	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S W ½ W	249	240′	106	9° 46′	9° 36′		8′ 09′	109° 18′	109° 31′

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of Dec 21 1852
1	10	4	S W	N E		Begins with a strong breez
2	10	4				from the N E and a thick
3	10	4				cloudy sky set main royal
4	10	4				at 7 fitted ship set fore
5	10	4				royal.
6	10	4				8 to 12 more moderate set
7	10	4				the fore top mast and lower
8	10	4	S S W ½ W			stud sail.
9	10	4	S S W			
10	10	4				12 to for more moderate and
11	10	4	S W by S			clear set top gallant stud -
12	10	4				sails
1	10	4	S S W.			
2	10	4				morning much the same
3	10	4				set gaff top sail and royal
4	10	4				stud sail.
5	10					
6	10			E N E		Last part a brisk breeze
7	10					and clear.
8	10					
9	10					Bar 30 Ther 80
10	10					
11	10					Forty nine days out
12	10					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S S W ½ W	248	32.0'	2'25	6°06'	6°08'		220	106°33'	106°43'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednes day of Dec 22 1852
1	10		S S W	E N E		First part a brisk breeze
2	9	4				& passing clouds
3	9	4				
4	9	4				
5	9	4				during the night much
6	9	4				the same
7	9	4				
8	9	4		East		morning took in lower
9	9		S S W ½ W			stud sail
10	9					
11	9					
12	9			E S E		at 8 AM saw the North
1	8	4				Aranba bearing S S E jun.
2	8					compass
3	8	4				
4	8	4		S E		
5	8					
6	8					Bar 30 03 Ther 83
7	7					
8	7					
9	7					Fifty days out
10	7					
11	6	4				
12	4	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					3°20				103°3

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday day of Dec 22. 1853
1			S by W ½ W			Begins with variable breezes
2	2					and light rainy weather.
3						took in port studd sails.
4	6					at 6 PM saw Tutuila Ava bear-
5	6		S S W			ing S S W ½ W
6	6					
7	7					During the night a moderate
8	6		S by W ½ W			breeze with passing clouds
9						
10	7					morning much the same
11	7		S ½ W			
12	7					
1	7					
2	6					
3	6					Bar 30 Then &c
4	6					
5	5	4				
6	5					
7	5					Fifty one days out
8	5					
9	5					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					1°07'				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of Dec 24 18
1	7		W by N ½ N			First part a fresh breeze
2	7					from the N and clear.
3	7					Working to windward
4	7		E N E			
5	6		W N W			at 6 20 the N E point of Bentley
6	6					bore W by N pen comp'ss
7	8					
8	6		E N E			
9	6					During the night a fresh
10	6	4				breeze and passing clouds
11	6	4	W N W			
12	6					Working to windward
1						
2						
3						
4	7		W N W			
5	7					
6	7		E N E			Bar 30 Then &c
7	6					
8	7					
9	7					
10	7					Fifty two days out
11	6					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					1°12 N				

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Satur day of Dec 25 1852*
1						At 1 P M passed the
2						N E pt of Bintang.
3						At 5 P M Pt Piang bore
4						N distant about 3 miles.
5						
6						At 11 P M came to an anchor
7						in the harbor of Singapore
8						about two miles from the shore,
9						furled the sails, coiled
10						up the ropes, and turned
11						in.
12						Early the next morning the
1						natives were along side in
2						their canoes with all sorts of
3						shells, coral, fruit, bread &
4						toys for sale.
5						In a little while the ves-
6						sel was full of them natives, and
7						such a quantity of bargaining
8						talking cheating and &c I never
9						saw.
10						I bought nothing except
11						fruit.
12						Christmas day.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of Dec 26 1852*
1						All this afternoon was
2						spent in the same way
3						as the morning. I was
4						busy painting ship.
5						
6						7 P M The natives have
7						all gone ashore, our new
8						jib boom has come off, and
9						we are going to sea early in
10						the morning.
11						
12						3 A M all hands called
1						windlass manned and by day
2						light we were under weigh.
3						
4						The rest of the day moderate
5						breezes and calms, beating
6						down the straits of Malacca
7						through groups of romantic
8						looking Islands
9						
10						Fifty four days on
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of Dec 1850.*
1						This day light breeze with occasional heavy squalls.
2						
3						
4						We are now doing nothing
5						but work ship. which is
6						very pleasant work.
7						
8						We are al continually passing
9						~~alt~~ romantic looking
10						Island which makes it
11						very interesting.
12						
1						
2						
3						Fifty five days out
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Tuesday day of Dec 2 1850.*
1						
2						To day has been, yesterday
3						day night over with the
4						exception that we have had
5						more rain and wind than
6						yesterday, and some heavy
7						squalls
8						down
9						We are still beating ~~up~~
10						the straits, but make very
11						little progress.
12						
1						
2						
3						Fifty six days out
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday of Dec 29 1852*
1						First part a fine breeze from
2						the N and clear; working to
3						windward.
4						
5						I am now realizing more
6						enjoyment, than I have
7						since leaving home. the water
8						is as smooth as a mill pond,
9						we are surrounded with
10						islands which are continually
11						presenting some new as
12						view, worth looking at.
1						
2						
3						
4						
5						
6						Fifty seven days out
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thursday of Dec 30 1852*
1						First part light breeze
2						and clear, working to
3						windward.
4						
5						at 5 PM spoke and
6						English bark standing
7						E.
8						
9						During the night cloudy
10						with thunder and lightning.
11						
12						
1						Morning cloudy with heavy
2						squalls of rain
3						
4						
5						
6						
7						Fifty eight days out
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of Dec 31 18 52
1			N W by N	S S W		First part a moderate breeze from the S.W. and fine clear weather.
2	7					
3	6					
4	5					
5	4			South		8 to 12 a light breeze and clear
6	4					
7	4					
8	3					12 to 4 a light breeze and heavy clouds, at 3.30 a brisk
9	2			S E by S.		breeze sprung up from the
10	2					N E.
11	2					
12	2					
1	2	4				Morning moderate breeze and
2	2	4				clear.
3	2	4				Last part the same
4	4	4				
5	5					
6	6	4		N E by E		We are now nearly out of the
7	6	4				Straits and hope to be in
8	5	4				Calcutta in ten days
9	6	4				
10	6	4				Bar 30.4 Ther 80
11	6					
12	5					Fifty nine days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N W by N	101				8° 37'				99° 03'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of ~~Dec 32~~ Jan 1 18 ~~53~~
1	5		N N W	N E by E		First part a moderate breeze
2	5					and clear weather
3	5					
4	5					
5	4		N W by N			4 to 8 Strong breeze and clear
6	7					
7	8					8 to 12 a fresh breeze and hazy
8	7					
9	7	4				
10	9		N N W ½ W			took in royals, split
11	9					topsail and misen top mast
12	9					stay sail.
1	9					
2	9					Morning more moderate
3	9					set the light sails.
4	9					
5	8					A happy new year, gave
6	7		N by W			me a cent
7	6					Bar 30.10 Ther 81
8	6					
9	6					
10	6					Sixty days out
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					8° 13'				97° 34'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of Jan 2d 1833*
1	3		North	E. east		First part a moderate
2	4					breeze from the E. and fine
3	3					clear weather.
4	2					
5	2		N by W	E by N		Saw two sails a head
6	2					one a bark and the other a
7	2		N W by W			brig carrying sky sails.
8	2					
9	2					8 to 12 light airs and clear
10	2					weather.
11	2					
12	2					
1	1		N W	N E		Morning the bark was on
2	1					our lee quarter about three
3	1					miles distant, the brig on our
4	1		N by W			lee bow about one mile distant
5	4					during the morning calm with
6	3	4				occasional light airs.
7	3	4	N N W			at 12 A M the bright brig was
8	3	4		N N E		hull down a head and the
9	4		N W by N			bark on our lee beam.
10	4					Barr 30.10 Ther 82
11	3					
12	3					Sixty one days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					8° 40′.				9°26′

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of Jan 3rd 1833*
1	2		N N W	N E		First part light breeze and
2	2			to		clear weather
3	2			N N E		
4	2		N W			during the afternoon the
5	2					bark gained on us and at
6	2					night was three miles on
7	2					our weather bow; the brig
8	2					was just in sight at sun
9	2					down, on our weather bow
10	2		N W by W			
11	2					during the night the same
12	2		W by N			
1	2					
2	2					Morning moderate breeze
3	4	4				and clear
4	6	4	N W			
5	6					Brig out of sight; saw
6	6	4				the Bark from the main
7	6	4				royal yard on our lee
8	6	4				quarter.
9	7					
10	7					Barr 30.10 Ther 82
11	6	4	N N W			
12	6	4				Sixty two days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					9°23′				9°6′

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Tuesday day of Jan 4th 1853*
1	5		NNW	NE		First part a moderate
2	4					breeze from the NE & fine
3	4		NNW½W			clear weather
4	4					
5	4					8 to 12 light breeze & clear
6	4					weather
7	3					
8	3					
9	4		NWbyN			Morning the same
10	4					
11	4		NW			
12	4					
1	3					
2	3					Bar 30 10 Ther 82
3	2					
4	2					
5	3		NNW			
6	4					Sixty three days out
7	4					
8	3					
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NNWbyW	72	108'		10° 48'	10° 31'				93° 41'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday day of Jan 5th 1853*
1	2		NNW.	NNE		First part a light breeze
2	2					and clear weather
3	2					
4	2					
5	2					at 11 30 tacked ship to the
6	2		NWbyN			East.
7	2					
8	2					during the night light
9	2	4	NNWbyN			breeze and clear
10	2	4				
11	2	4				
12	2	4	East			at 4.45 tacked to ship's
1						to the NNW, at day light
2						a sail in sight off the
3						starboard quarter Standing
4						North
5						
6	3					
7	4					Bar 30 10 Ther 82
8	4	4				
9	5	4				
10	8	4				Sixty four days out
11	8	4				
12	5	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					11° 38'				94° 82'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday day of Jan 6th 18 3/2
1	5		NW est-			First part a moderate
2	5		E by N			breeze from the N.E. and
3	5					fine clear weather.
4	5					at 1 PM tacked to the E
5	5		E 1/2 N			
6	6					
7	6					During the night
8	6					moderate breeze and clear
9	6					
10	6					
11	6		E by N			to day we have rigged
12	6					out our new jib boom and
1	7		E NE 1/2 E			are now enjoying the benefit
2	7					of a flying jib
3	7					
4	7		E NE			
5	7					
6	7					Bar 30 10 Ther 82
7	7					
8	6	4				
9	6					Sixty five days out-
10	6					
11	5	4				
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					11° 02' N				96 42 W

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of Jan 7th 18 3/2
1	6		ENE			First part a moderate
2	6					breeze and clear weather
3	6					at 1 PM tacked ship to
4	4					the E
5	4		NE by E 1/2 E			
6	4					
7	6					during the night a mod-
8	6					erate breeze and clear
9	6		NE			
10	5					
11	1	4	W by N			at ~~two~~ 2.30 tacked ship
12	4	4				to the N & E
1	4	4	W N W			
2	4	4				
3	6		NE by E			at 9 PM tacked ship to
4	6	4				the west.
5						
6						morning saw two vessels one
7						a brig and the other a bark
8						
9						Bar 30 10 Ther 82
10						
11						Sixty six days out-
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					11° 05'				98 13 W

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of Jan 8th 1853
1	6		W N W	North		First part a moderate breeze from the N E and fine clear weather
2	5					
3	5					
4	6		N E by E ½ E			
5	6					at 6.30 tacked ship to the N & E
6	6					
7	5		W by N			
8	5					8 & 12 moderate breeze and clear
9	6		W N W			
10	6					
11	5		N W by W			saw a spark on the lee bow brig ahead
12	5					
1	4	4				
2	4	4				
3	4		N W by N			Last part light breeze and clear.
4	4					
5	4					
6	4		N W by W			
7	4					
8	4		W N W			Bar 30 10 Ther 81
9	4					
10	4					
11	4					Sixty seven days out
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					11°39'				96°35'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks; Sund day of Jan 9 1853
1	4		W N W	North		First part light breeze and clear weather
2	4					
3	4					at 1 tacked to W at 4 tacked to the E
4	4					
5	4		E N E			at 8 tacked to the W
6	4					
7	4	4				
8	4	4				during the night light breeze and clear
9	4					
10	3		N W by W			
11	3					
12	3					Morning the same
1	3		W N W			
2	3					
3	3					
4	3		N W by W			Bar 30 10 Ther 81
5	3					
6	3					
7	3					
8	3					Sixty eight days out
9	3					
10	3					
11	3	4	N W ½ N			
12	4	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					12 09				96°26'

JOURNAL *from* San Francisco towards Calcutta

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of Jan 10 1853
1	3	4	NW by N	NNE by E		First part a fine breeze
2	3	4				from the N and clear weather
3	3	4				
4	3	4				to 12 light breeze and
5	3	4				clear
6	3	4				
7	2	4	NW by N			12 to 4 the same
8	3					
9	3					Morning the same
10	3					
11	3					
12	3					
1	2	4	NNW by N			
2	2	4				Last part a moderate
3	2	4				breeze and clear
4	2	4				
5	3					
6	3	4				Bar 30.6 Ther 81
7	5		NNW by W			
8	5					
9	5		NW by N			Sixty nine days out
10	5					
11	4	4				
12	4	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of Jan 11 1853
1	4		NW by N	NE by N		First part a moderate breeze
2	4					and clear weather
3	4	4				
4	4	4				at 3 PM saw Narcundam island
5	4					bearing W by S per Compass
6	4					
7	5		NNW	NE		
8	5					At 12 tacked to the East
9	4		N by W	NE by E		
10	4					
11	4					At 6 tacked to the West
12	4		NNW by W			
1	3					
2	2	4	ENE	North		Morning saw a bark standing
3	2					to the NE by N, at 6.30 saw a
4	2					dead Sperm whale on our
5	2		E by N			quarter
6	2	4				Last part the same
7	2	4	NW by N			
8	3					Bar 30.15 Ther 83
9	3					
10	4					
11	4					Seventy days out
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					14° 11′				94° 26′

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday day of Jan 12 1853*
1	5		NW½N	NNE½E		Light, last a light breeze
2	4	4				from the west North and
3	4	4				fine clear weather
4	4					
5	4					
6	4					during the night a mod-
7	4		NW			erate breeze and clear
8	4	4				
9	4					
10	4					Morning the same
11	4	4	NWbyW			
12	3					
1	4		NW½W			
2	4					
3	5					
4	5					Bar 30 10 Ther 79
5	5		NW			
6	5					
7	5					
8	5		NW½N			
9	5					
10	4					Seventy one days out
11	4	4	NW			
12	4	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					5°39'N				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thurs day of Jan 13 1853*
1	6		NWbyW	NNE½E		Last part a moderate
2	6					breeze and clear weather
3	5	4				
4	5	4	NW			
5	5	4				during the night a
6	6					fresh breeze and clear
7	6		NWbyN			
8	6		NNWbyW			
9	6					Morning the same
10	6					
11	6	4				
12	6	4	NWbyW			
1	6					
2	6					Bar 30 13 Ther 77
3	6		NWbyN			
4	5					
5	5		NW½N			
6	5					Seventy two days out
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					16°38'				91°15'

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Friday day of Jan 14 1833*
1	4		N W ½ W	N by E		First part a brisk breeze
2	4					from the N & fine clear weather
3	7		E by N			
4	7	4				at 2 P M Tacked to the E
5	7	4				
6	7	4				8 to 12 fresh breeze and
7	7	4				clear
8	7	4				
9	7		E by N ½ N			Morning moderate breeze
10	7					& clear
11	6		E N E			
12	6					At 7.30. Tacked to the N W
1	7		N E by E ½ E			
2	6	4				
3	6	4				Last part the same
4	6					
5	6					
6	6					Bar Ther
7	4					
8	2		N W ½ N			
9	1					
10	2		N W by W			Seventy three days out
11	2	4				
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					68 85				92° 31′

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Saturday day of Jan 13 1833*
1	4		N W ½ W	N N E		First part light breeze and
2	4					clear weather
3	4					
4	4					
5	4					During the night light
6	4					breezes and clear
7	4					
8	4		N W			
9	4					Morning much the same
10	4		N W ½ N			
11	4					
12	4					
1	4					
2	3					Bar 30 10 Ther 76
3	3					
4	3					
5	3	4				
6	3	4				Seventy four days out
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					1733				91 9′

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of Jan 16 1853
1	4	4	N W ½ W	N by E ½ E		First part a fine breeze from the N and clear weather
2	4	4				
3	4	4				
4	6	4				
5	6		N W			During the night moderate with a short head sea
6	6					
7	6		N W by N			
8	6					
9	4					Morning a strong breeze & clear weather Passed a Ship standing to the E
10	5					
11	4					
12	3		N W			
1	3					Last part a fresh breeze and clear
2	2					
3	2		N W by N			
4	4	4				
5	5		N W			
6	6					Bar 30 15 Ther 73
7	7	4				
8	8					
9						
10						Seventy five days out
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of Jan 17 1853
1	6		N W by N	N E by N		First part a fresh breeze and clear weather
2	5					
3	4					
4	4					12 to 4 moderate breeze and clear. At 2 AM Stacked to the E
5	4					
6	4					
7	4		W N W			
8	3					at 9 AM tacked to the N W
9	3		N N W ½ W			
10	3					
11	3		N W			
12	3					
1	4		N W ½ W			
2	4					
3	6		E N E	N by E		
4	7					
5	5					Got a 5.45 AM by Polar star 19 24 N
6	5		E by N			
7						
8						Bar 30 13 Ther 77
9			East			
10						
11			N W			Seventy six days out
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					19 24				89 33

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Tuesday day of Jan / 1853*
1	4		N N W ½ W	N E		Begins with a light breeze
2	4					from the N E & fine clear
3	4		N N W			& weather
4	4					
5	4		N W by N			8 to 12 light breeze & clear
6	4					weather, at 9.30 backed to
7	3		N W ½ W			the E. at 12 backed to
8	3					the N W
9	3		N W by W ½ W			
10	3					
11	3		E ½ S			Morning much the same,
12	3					at 7 A M tacked to the E
1	3		N N W			
2	4					
3	4		N W by N			
4	4					Bar 30 23 Ther 71
5	3		N W			
6	4					
7	5		E N E ½ E			
8	6					Seventy seven days out
9	6		E ½ N			
10	6					
11	6		E by N			
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					19 5 6	—			89 30

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday of / Jan / 1853*
1	6		E ½ N	N N E		M & P M passed a steamer
2	6					steering to the N & W
3	6					
4	6					at 6 P M tacked to the
5	6		E by N			N & W
6	6		~~E by N~~			
7	6		N W by W			During the night a strong
8	5					breeze and clear.
9	4					12 to 4 took in royals, gaff
10	4					top sail flying jib, and
11	3					top gallant sails.
12	6		W ½ W			
1	7					Morning more moderate
2	7					set top gallant sails flying
3	7					jib and gaff topsail.
4	7		N W by W			
5	6					We are now on the look out
6	6					for a Calcutta pilot
7	6					
8	6		N W ½ W			
9						Bar Ther
10						
11						Seventy eight days out
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* *day of* 18
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* *day of* 18
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Thursday day of March 3 1853
1	5		Sby E	NE		At one PM ~~this morning~~ we
2	5			to		got under weigh for the
3	5			East		last time, ~~and~~ at 2 PM discharged our Pilot, and
4	5					with a fair wind from the
5	6					NE commenced our home-
6	6		SSW			ward bound passage.
7	5		SbyW½W			
8	4					
9	3		SbyW			We have been very busy
10	2					all day on bending chain, and
11	2		SbyW½W	SE½E		getting the anchors on the
12	2					forecastle, and clearing up the
1						decks.
2						
3						During the night a light
4						breeze and clear
5	2		South			
6	2					
7	2					Morning a light breeze from
8	2					the West and fine clear weather
9	2					
10	2					Bar 30 12 Ther 81
11	2					
12	2					First day out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Friday day of March 4 1853
1	2		SbyE	NNE		First part light breeze and
2	1					fine weather
3	2			NE		
4	2			to		6 to 8 took in Starboard
5	1			E		Stud & sails
6	1					
7	1					8 to 12 light breeze and
8	1		South			clear, wind veers to the SE
9	1					took in all stud & sails
10	1		S½W.			
11	1					At 4 backed to the E.
12	1		SSW	S by E		
1	1					Morning light breeze
2	1					and clear
3	2		WSW			
4	2					
5	2		ESE			Bar 30 14 Ther 79
6	2					
7	2		SSE			
8	2					Two days out
9	2	4	SbyE			
10	2	4				
11	2	4				
12	2	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					19° 04′				88° 47′

JOURNAL *from* *towards*

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of March 1853
1	2	4	S ½ W	W S W		First part light breeze & clear
2	2	4				
3	2	4				
4	2	4				During the night light airs and calms
5	2		S by W			
6	2					
7	2					Morning light breezy from the S W and clear, saw three sails standing to the S^th^
8	1					
9	0					
10	0					
11	0					
12	1		S W by W	S by E		Bar Ther
1	2					
2	3					
3	4					
4	3					
5	2		S E by S	S W by S		
6	2					
7	2					
8	2					Three days out
9	3		S ½ E			
10	3		S ½ E			
11	4		S S E			
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					18 31				89 06

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of March 1853
1	2		S by E			First part light breeze and clear
2	2					
3	2					
4	2					During the night light
5	1		South	W S W		air and clear
6	1					
7	1		S ½ E			At 2 A.M. the wind veers to the S W
8	2					
9	2					
10	2					Morning light wind from the W S W set all the studd^g sails
11	1	4	S by E			
12	1	4				
1	1					
2	1			S W		Last part a fine breeze from the W and fine clear weather.
3	1					
4	1					
5	1					
6	1					
7	1	4				Bar 30.09 Ther 79
8	2		S by W			
9	2					
10	2	4				Four days out
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					17 38 N				88 38

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Mondayday of March 1853
1						
2	2		SSW	Wby N		First part light breeze
3	1	4				from the W and clear Weather
4	1					
5	1					
6	1					During the night light
7	1					breeze and clear.
8	1	4				
9	1	4				Morning the same, at
10	2		Sby W			sail of the starboard boom
11	2					steering to the S&W.
12	2					
1	2					
2	2					
3	2					Bar 30 10 Ther 80
4	2					
5	2					
6	2					
7	2					Five days out
8	2					
9	2					
10	3		Sby W & W			
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					16°24'				88°26'E

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesdayday of March 1853
1						
2	3		SSW	WNW		Begins with a light
3	4					breeze from the N&W and
4	4					fine clear weather 6 to 8 veers
5	4					to NNW
6	3					
7	3			NNW		8 to 9 moderate breeze and
8	3					clear, set the port royal & stud
9	3					sail
10	3					
11	3					morning light breeze and
12	3					clear
1	3					
2	4					
3	3					We are having fine weather
4	3					by a little wind, which in these
5	2					latitudes is much needed on
6	2					account of typhoons.
7	1	4		NNE		
8	1	4				
9	1	4				Bar 30 09 Ther 79
10	1	4				
11	2					Six days out
12	2	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					13°12'				85°32'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday of March 9 1853.
1	2	4	SSW	ENE		First part a light breeze
2	2	4				from the N & W and clear
3	2	4				weather
4	2	4				
5	2					During the night light
6	2					breezes and clear
7	3					
8	3					
9	3					Last part much the same
10	2					
11	2					
12	1					
1	1					Bar 30 10 Ther 83
2	1					
3	1					
4	1					
5	1					Seven days out
6	1					
7	1					
8	1					
9	1	4				
10	1	4				
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					14° 17′				87° 28′

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday day of March 10 1853
1	4		SSW	NW		First part a moderate
2	3					breeze from the N & W and
3	3			to NNW		clear weather
4	3	4				
5	3	4				
6	3					During the night light
7	3					airs and clear
8	3					
9	3					
10	3					Morning much the same
11	3					
12	2					
1						
2						Bar 30 10 Ther 82
3				NNW		
4						
5	2					
6	2					Eight days out
7	3		SbyW			
8	3					
9	3					
10	4					
11	4					
12	3		—			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					12° 51′				86° 44′

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of March 1833
1	4		Sby W	NNW		First part a moderate
2	4					breeze from the NNW and
3	4					fine clear weather
4	4					
5	5					During the night a mod-
6	5					erate breeze and vers
7	5			North		to the E & N[illegible], set Starboard
8	6			to		studd sail
9	6			ENE		
10	6					
11	6					
12	6		South			Morning much the same
1	5	4				wind ~~and~~ veer to the Sby S, a ship
2	3					in sight off the Starboard
3	2			EbyS		beam
4	2					
5	2					Last part veers to the N.
6	2					
7	2					
8	2					
9	3			North		Bar 30 10 Ther 84
10	3					
11	2					Nine days out
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					11°24'				84°21'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Satar day of March 1833
1	2	4	South	North		First part a light breeze
2	2	4				from the N' and fine clear
3	2	4				weather
4	2	4				
5	3		Sby W			During the night a
6	3					light breeze and clear.
7	3					
8	4		South			
9	4					Morning much the same
10	4					three sails in sight one on
11	3					the Starboard bow, two one the
12	3					port quarter.
1	4					
2	4					
3	4					
4	4					Bar 30 10 Ther 86
5	4					
6	3					
7	3		Sby W			
8	3					Ten days out
9	3					
10	3					
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					10° 11' N				86°09'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of March 13 1853
1	2		S by W	North		First part a light breeze from the N & clear weather.
2	1	4				
3	1	4				
4	1	4				
5	2					During the night a light breeze and clear.
6	2					
7	3					
8	3					
9	3	4				Morning the same, a sail in sight eastern steering S.
10	3	4				
11	3	4				
12	3	4				
1	3					
2	4					Last part moderate breeze and clear.
3	4	4				
4	4	4				
5	4					
6	4					Bar 30.08 Ther 86
7	4					
8	4					
9	4		S S W			Eleven days out
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					85				85° 48'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of March 1853
1	4		S S W	N W		First part a moderate breeze from the N & W with a hazy atmosphere.
2	4					
3	4					
4	4					
5	4					During the night a light air and clear
6	4					
7	3					
8	3					
9	3					Morning the same
10	3					
11	2					
12	2					
1	1	4				Last part the same
2	1	4				
3	1	4				
4	1	4		Variable		
5	2		S S W			Bar 30.05 Ther 85
6	2					
7	2					
8	2					
9						Twelve days out
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					7 53	2 pt W			80 24

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of March 1852
1	3		Sight	N W		First part a moderate
2	3	4				braze from the N W and
3	4					clear weather.
4	4					
5	3					8 to 12 light airs and calm
6	3					
7	2					
8	2					12 to 4 calm and clear
9	1					
10	1					
11	2					Morning much the same
12	2					
1	0					
2	0					
3	0			Calm		Bar 30 08 Ther 85
4	0					
5	0					
6	0					
7	1					Thirteen days out
8	1					
9	1					
10	1					
11	1					
12	1					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					7°21′				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday day of March 1852
1	1		South	Variable		First part light airs
2	1					and calms with a heavy
3	1					atmosphere.
4	1					
5	1					
6	1					During the night calm
7	1					
8	1					
9	1					
10	0		Calm			Morning light variable
11	0					airs.
12	0					
1	0					
2	0					This morning caught a
3	0					Shark
4	0					
5	0					
6	0					Bar 30 10 Ther 87
7	1					
8	1					
9						Forteen days out
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					7°04′				88°21′

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thurs day of March 1853
1	3		South	N. East.		First part a light breeze from the N E and clear weather
2	3					
3	3					
4	3					
5	2	4				During the night a light breeze and passing clouds
6	2	4				
7	3					
8	3					
9	3					
10	3					
11	3					Morning the same saw a sail standing to the N.
12	3					
1	3					
2	3					
3	2	4				Ther 88 Bar 30 10.
4	2	4				
5	3					
6	3					
7	4					
8	4					Fifteen days out
9	3	4				
10	3	4				
11	2	4				
12	2	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					6° 04'				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of March 1853
1	3		South	East		Begins with a light wind from the East and vers to the N E.
2	3					
3	3		&	to		
4	3					
5	3		N E	N E		Blows squally and variable look. ik all the Stud Sail
6	3					
7	4					
8	2					12 to 4 light airs from the E and clear. Set 3 N.th set Stud Sails.
9	0					
10	0					
11	0					
12	0					
1	1					Morning light breeze and clear all day light saw a sail ahead standing to the W'rd
2	1					
3	1					
4	2					
5	2					
6	2					
7	2					Bar 2010 Ther 86
8	2					
9						
10						Sixteen days out
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					5° 15'				84° 43'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday of March 1918
1	2		South	NbyE		First part a light breeze
2	2					from the N and clear weather
3	2	4				
4	3					
5	3					8 to 12 variable winds with
6	2	4				dark clouds and lightning
7	2	4				look in all stud sails.
8	2	4				
9	2	4				12 to 4 the same.
10	2	4				
11	1	4				
12	1	4				Morning light breeze from
1	1			Variable		the W and passing clouds of rain,
2	1					set stud sails, & ship in sight
3	1					off the Larboard quarter.
4	1					
5	2					
6	2					
7	2	4				Bar 30 10 Ther 88
8	2	4	SbyE			
9	3					
10	3					
11	3					Seventeen days out
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday of March 1853
1	3		SbyE	North		First part squally with
2	4					a little rain
3	6					
4	2		SWbyN			
5	1					Middle part light breeze and
6	4					clear
7	2		South	NbyE		
8	2					
9	2	4				Morning squall with rain
10	2	4				
11	3					
12	3					
1	3					Last part cloudy
2	3					without rain
3	0					
4	2					
5	3			West		
6	3	4				Bar 30 03 Ther 83
7	3	4				
8	3					
9	2	4				
10	2	4				Eighteen days out
11	2	4				
12	2	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	59			3 28				86 34	84 22

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Second day of March 2/1853
1	2		South	NE		First part a light breeze from the NE with a light cloudy sky
2	2					
3	2					
4	2			North		
5	2					
6	2	4				
7	3	4				During the night a moderate breeze and clear, wind veers to the W took in port stud sails
8	3			NWest		
9	3					
10	3					
11	4					
12	4	4				
1	4	4				Last part the same
2	4	4				
3	4	4				
4	4	4				
5	2	4		SWbW		Bar 30.06 Ther 85
6	3					
7	3					
8	3					
9	4	4				
10	4	4				Nineteen days out
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					2° 00' N				84° 49' E

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of March 22 1853
1	7		S by W	WNW		First part a brisk breeze from the W and fine clear weather took in Lower stud sails.
2	7					
3	7					
4	7					
5	6					
6	6					
7	6					During the night a brisk breeze and veers to the W with some head sea. 8 to 12 took in stud sails, royals and flying jib.
8	6					
9	7		S/W	West		
10	7					
11	7					
12	7					
1	6		S by W			
2	6					Morning more moderate set royals and flying jib.
3	6		and			
4	6					
5	6		S/2 W	WNW		
6	6					Bar 30.13 Ther 87
7	5					
8	5		South			
9	6					
10	6					Twenty days out
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					6° 34' N				84° 04'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednes day of March 23 1853
1	7		South	W by S.		Begins with a fresh breeze
2	7					and clear weather with a
3	7					heavy head sea
4	7					
5	7		S by E			At 6 took in royals
6	7					At 8 more, moderate set royals
7	7					
8	6		South			12 to 4 a strong breeze and squally
9	7					with rain in light sails
10	7					
11	7	4				Morning heavy squalls with
12	7	4				rain took in topgallant sails
1	7		S by W			at 7 A.M. double reefed topsails
2	7					
3	7					Last part a strong breeze
4	7					with passing squalls out two
5	7					reefs in the topsails.
6	7	4				
7	7	4				
8	7					Bar 30 13 Ther. 82
9	6					
10	6					
11	7					Twenty one days out
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					1°35 S				85°09'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thurs day of March 24 1853
1	7		South	W by N		First part strong breeze from
2	7					the W with a heavy head sea
3	7	4				set topgallantsails & lay sails &
4	7	4				
5	7	4				4 to 6 the same in fore topgallant
6	7	4	S by E			sail.
7	7					
8	7		S by E			8 to 12 strong breeze with
9	6					very heavy squalls double reefed
10	6		S S E			the topsails and stowed the main-
11	6					sail.
12	6		S E by S	W N W		
1	3	4				
2	3	4				Morning the same
3	3	4	S by E			
4	3	4				
5	4		S ¼ W			
6	4					Bar 30 01. Ther 80
7	5					
8	5					
9	6		S by W			Twenty two days out
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				2°40 S				82 [illegible]	

JOURNAL *from* Calcutta *towards* Batton

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of March 23 1832
1	6		S½W	WbyN		First part a strong breeze from the W and passing squalls
2	7					
3	7					
4	7					
5	7					
6	7	4				
7	7		SbyW			a.m a squall from the W.
8	6					taken aback & reefs out of
9	7		South			topsails set lofty gallant sails
10	7					Staysails, flying jib, &
11	6		SbyE			
12	6					
1	6					12 to 4 more moderate set
2	5					royals:
3	5					
4	6					Morning fine clear weather
5	6					and more moderate.
6	6					
7	6		SSE			
8	6					Bar 29.93 Ther 82
9	6					
10	6		S½E			
11	6					Twenty three days out
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					4°53'S				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of March 24 1832
1	5		SEbyS	SW		First part a brisk breeze
2	5					from the SW and heavy
3	5					clouds with a head sea
4	5		SbyE½E			
5	5					At 7 a fresh squall from the
6	4					W SW took in royals, at 8 set
7	4		SbyE			them again.
8	3					
9	4					8 to 12, moderate breeze and
10	2					passing clouds.
11	3					
12	3					
1	5		SbyW			Morning a fresh breeze from
2	5					the W with a heavy head sea
3	5			WbyN		
4	5					
5	5					
6	5					
7	5					
8	6					Bar Ther
9						
10						
11						Twenty four days out
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					6°38'S				86°41

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of Mar 27th 1833
1	6		S by W			First part a heavy head
2	6					sea with passing squalls
3	6	4				
4	7					12 to 4 a strong breeze with
5	6	4				passing squalls
6	6	4				
7	7	4				12 to 4 a strong breeze and pass
8	8					ing clouds, in royals and flying
9	7					jib.
10	6	4				
11	6	4				Morning a strong breeze
12	6	4				and passing clouds.
1	7					
2	7					
3	7	4				Last part passing squalls
4	7	4				with rain.
5	6	4				
6	6	4				
7	7	4				Bar 29 90 Ther 84
8	7					
9	7	4				
10	7	4				Twenty five days out
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					9°14'S				86°26E

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of Mar 28th 1833
1	7		S by W	W by N		First part fresh breeze
2	7					from the W with heavy
3	7					squalls
4	7					
5	7					
6	7					Continued a fresh breeze
7	7			NW		throughout the night with
8	7	4				frequent heavy squalls with
9	7	4				rain
10	7					
11	6	4				
12	6					
1	3					Morning wind veers to
2	3					the East and becomes more
3	3					moderate
4	3		SW by S	East		
5	3					Bar 29 08 Ther 83
6	4					
7	5		S W ed			
8	6					
9	6					Twenty six days out
10	7					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					10°58				83°43'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesd day of Mar 29 1853
1	7		W by S	SSE		Begins with a fresh breeze
2						from the South and squally
3	7					with rain, a heavy swell from
4	6	4	WSW	S by E		the SE.
5	6					
6	6		W by S			
7	6					6 to 8 a strong breeze and
8	7		SW by W	SW		squally in top gallant
9	6		SW by W			sails and single reef in
10	6					topsails
11	6					
12	6		SW by W	SW		8 to 12 strong breeze with
1	6					passing squalls
2	6					
3	6					Morning the same
4	6					
5	6		SW by W			Bar 29.26 Ther 81
6	6					
7	6					
8	6					
9	6					
10	7					Twenty seven days out
11	7					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					11°36'				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednes day of Mar 30 1853
1	7		WSW			First part a strong
2	7					breeze from the S and a
3	6					very heavy head sea.
4	6					
5	7		SW by W			Making and taking in
6	7					sail as required.
7	7	4				
8	7	4				8 to 12 more moderate, set
9	7	4				top gallant sails and
10	7	4	SW by W	SW		main topmast stay sail.
11	8	4				
12	8					
1	8		WSW			Morning moderate breeze
2	8					and clear set all sail and
3	8					Larboard stud sails.
4	8		SW by W	SW		
5	7					
6	7					Bar 30.07 Ther 81
7	7					
8	7					
9	7	4				Twenty eight days out
10	7	4				
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					12°07'				

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thurs day of Mar 31 1853
1	6		SWbyW½W	SSE		First part a moderate breeze from the S and clear weather set the Larboard Stud Sails
2	6					
3	6					
4	6					
5						
6	7					
7	7	1	SWbyW			During the night a strong breeze and clear
8	8					
9	8					
10						
11	7					Last part a moderate breeze and clear
12	6					
1	6					
2	6					
3						
4	7					
5	8					
6	8					Bar 30 10 Ther 81
7	8					
8	8					
9	8					Twenty nine days out
10	8					
11						
12	6	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					17°19'S				78° 2.3E

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of April 1st 1853
1			SWbyW	SEbyE		First part a moderate breeze
2	6					from the SSE and fine clear
3	6					weather.
4	6					
5						
6	6					During the night a moderate
7	6	1				breeze and clear
8	6	4				
9	6	4				
10	6	4				
11	6	4				Morning a fresh breeze and
12	6	4				passing Islands
1	6					
2	6					
3	6	4				
4	6	4				Bar 30.10 Ther 80
5	6	4				
6	7					
7	7	4				
8	8	4				Thirty days out
9	8	4				
10	8	4				
11	8	4				
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					15°34'				73°39'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Saturday day of April 2d 1853*
1	8		W S W	S E by E		Begins with a fresh breeze
2	8					from the S E and clear weather
3	8					
4	8					
5	8		S W by W ½ W			During the night strong
6	8					breezes and passing clouds
7	8	4				
8	9					
9	9					Morning a fresh breeze
10	9					and squally appearance
11	9					in the S & E.
12	9					
1	8	4				
2	8	4				
3	8	4				
4	8	4				Bar 30.10 Ther 77
5	9					
6	9					
7	8	4				
8	8	4				Thirty ~~two~~ one days out
9	8	4				
10	8	4				
11	8	4				
12	8	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					17° 13.S				73° 04'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of April 3d 1853*
1	7		S W by W ½ W	East		First part a moderate
2	6					breeze from the E, and a
3	6					light cloudy sky
4	6		W S W	E by S		
5	7					
6	7					
7	7					8 to 12 a fresh breeze and
8	7					cloudy
9	7					
10	7					
11	7					
12	7					
1	7					
2	7					Morning moderate
3	7					breeze and clear Set the
4	7					Starboard stud sails.
5	7					
6	6	4				Bar 30.15 Ther 79
7	6	4				
8	6	4				
9	7					
10	7					Thirty ~~three~~ four days out
11	7					
12	7	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Monday *day of* April 4 1853
1	6		W SW	S E & E		First part a moderate breeze from the S E & E clear weather
2	6					
3	6					
4	6					
5	6					
6	6					During the night a brisk breeze and passing clouds
7	7	4				
8	7½	4				
9						
10	9					Last part a fresh breeze and clear W W
11	8					
12	8					Bar 30,20 Ther 80
1	8					
2	8					
3	8					Thirty three days out
4	8					
5	7	4				
6	7	4				
7	7	4				
8	7	4				
9						
10	8					
11	8	4				
12	8	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					19°20'				67°57'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Tuesday *day of* April 5 1853
1	8		W S W ½ W & S E			First part a brisk breeze from the E and fine clear weather
2	8					
3	8					
4	8					
5	8					8 to 12 a fresh breeze and passing clouds with light rain
6	9					
7	8					
8	8					
9	8					12 to 4 a brisk breeze and passing clouds
10	8					
11	8					
12	8					
1	7					Morning the same
2	7					
3	7					
4	7					
5	7 8					Last part passing squalls
6	8					
7	8					
8	8					Thirty four days out
9	8					
10	8					
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					20 13				63 08'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday day of April 6th* 1852
1	8		WSW½W WSE½E			First part a fresh breeze
2	8					from the N.W and passing
3	8					clouds with rain saw a
4	8					Ship Standing to the N.W
5	5					
6	8	4				So. 12 brisk breeze with
7	8	4	WSW			passing squalls
8	8					
9	8					12 to 4 squally with with
10	8					occasional showers
11	8					
12	8					Last part brisk breeze
1	7		WSW½W			and passing clouds
2	7					
3	7					
4	7					Bar 30.16 Therm 78
5	7		WSW			
6	7					
7	7					
8	7					
9	8	4	WSW½W			
10	8					
11	7					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					21°13′				62°11′

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thurs day of April 7th* 1852
1	7		WSW½W	East		First part a brisk breeze
2	7					from the SE and passing
3	7					squalls and rain saw a
4	7					Ship Standing to the W&W
5	8					
6	8					
7	8					During the night a brisk
8	8					breeze and light passing
9	8					squalls with rain in
10	8					fore royal fore top gall sail
11	7					& stud sail and main
12	7					royal & stud sail.
1	6	4				
2	6	4				
3	6	4				Morning moderate breeze
4	6	4				and clear Set all light sail
5	7					
6	7	4				
7	8		WSW			Bar 30.16 Therm 78
8	8					
9	7	4				
10	7	4				Thirty Six days out
11	7	4				
12	7	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SW by W½W	176				22°45′				58 40 E

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Friday day of June* 1833
1	8		WSW	E by N		First part a brisk breeze
2	8					from the E and clear
3	8					
4	8					
5	8					During the night much
6	8					the same
7	7	4	WSW½W	E by N ½ N		
8	7	4				
9	7	4				morning the same
10	7	4				
11	7	4				
12	7	4				
1	7	4				
2	7	4				Bar 38 10 Ther 80
3	7	4				
4	7	4				
5	7	4		E by E		
6	7					
7	7					Thirty seven days out
8	7	4				
9	7	4		N E by E		
10	7	4				
11	7	4				
12	7	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					23°48′				33° 3.3.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Saturday day of June* 1833
1	8		WSW½W	North		
2	8					First part a brisk breeze
3	7					from the N with light
4	7					showers
5	7					
6	7					6 to 8 squally w royal and
7	7					light sail sails.
8	7					
9	7					8 to 12 the same took in all
10	7					studsails and flying jib.
11	7					
12	7					12 to 4 heavy squalls w
1	7					top gallant sails
2	4			N by W		
3	0					Last part weather more
4	0					settled set top gallant sails
5	3					royals and flying jib and
6	3					stay sails
7	3	4				Bar 29 99 Ther 78
8	3	4	W by S			
9	2		S S W			Thirty eight days out
10	2					
11	2		S½W			
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					24 1/2				35° 2. 3

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of April* 1833
1	4		Sby W	W by S		Begins with a moderate
2	4					breeze and squally look
3	4					out royals
4	4		S by E			
5	3		Sby E			Hole heavy squalls in
6	3		W by S	S S E		Stay sails and top gallant
7	3					sails.
8	3					6 to 8 freshened to a heath
9	6	4	W by N			breeze double reefed topsails.
10	6	4		S E		8 to 12 very heavy head seas
11	6	4				
12	6	4				Morning more moderate
1	6	4				out double reefs and set
2	6	4				top gallant sails.
3	6	4				
4	6	4				Last part a strong
5	6	4				breeze and clear in
6	6	4				top gallant sails.
7	6	4				
8	6	4				Bar 30 13 Ther 73
9	7	4				
10	7	4				
11	7	8	W by N			Thirty nine days out
12	7	8				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
						7 1/2 W			33° 23'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of April* 11 1833
1	7	4	West			Begins with a fresh gale
2	7	4				from the S E with violent
3	7	4	W by N			squalls and a heavy head sea
4	7	4				double reefed topsails.
5	7	4				
6	7					During the night continued
7	7		West			a fresh gale & pumps well
8	7					attended to
9	7					
10	7					Morning a strong breeze
11	7					and passing clouds, out
12	7					all reefs and set light sails.
1	7	4				
2	7	4				
3	7	4				Bar 30 26 Ther 70
4	7	4				
5	7	4				
6	7	8				
7	8					Forty days out
8	8					
9	8					
10	8					
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					25° 29				

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Tuesday day of April* 1833
1	7	4				
2	7	4	West-	S E		First part a strong breeze
3	7	4				from the S and eqnally
4	7	4				
5	8					6 to 8 strong breeze and
6	8					cloudy in royals and flying
7	8	4				jib.
8	8	4	W by S	E S E		8 to 12 strong breeze and
9	9	4				light passing clouds
10	9	4				
11	9					
12	9					
1	9					Morning strong breeze
2	8					& fine clear weather set
3	8					light sails and all port stud
4	8					sails.
5	8	4		S E		
6	8	4				Bar 30 14 Ther 74
7	8					
8	8					
9						Forty one days out
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					26°38'				16°33'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday of April* 13 1833
1						
2	6		West-	S E by E		First part a moderate
3	6					breeze and clear with passing
4	6					clouds
5	6					
6	6					Bent the new main topsail
7	6					Foresail and main topgallant
8	7	4	W by N	S E		sail
9	7	4				
10	7	4	West			During the night moderate
11	7					breeze and passing clouds
12	6					
1	6					
2	6					Morning the same set the
3	6					port stud sails
4	6					
5	6					
6	6					
7	6					
8	6		W by S			Bar 30 14 Ther 75
9	6	4				
10	6	4				
11	6	4				Forty two days out
12	6	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					27°19'				45°37'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thurs day of April* 1833
1	6	4	West	ESE.		Begins with a fresh breeze &
2	4	4				a damp fine Sky & cloudy rainy
3	6	4				weather
4	6	4				
5	6					
6	6					
7	6	4				During the night a mod-
8	6	4				erate breeze and passing
9	6					clouds
10	6					
11	6			East		
12	6					Last part a moderate
1	6					breeze and cloudy with rain
2	6					
3	6					
4	5					
5	5					Bar 30.11 Ther 74
6	5					
7	4	4				
8	4			ENE		Forty three days out
9	5					
10	6					
11	5					No Observation
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
W S W	137	~~2°56~~ 57	2°06	28°11'		2 W.	137	41.20	41°20'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Friday day of April* 13 1833
1	4		West	Variable		First part light variable
2	3					winds and occasional showers.
3	2		WbN			
4	2					
5	3					
6	3	4				During the night a moderate
7	4					breeze and light cloudy sky.
8	6			East		
9	5					
10	4	4				Morning light breeze and
11	4	4				clear
12	4	4				
1	4					
2	4					Last part light varia-
3	4					ble airs and cloudy
4	6					
5	6					
6	6					Bar 30 10 Ther 77
7	4					
8	4					
9	4					Forty four days out
10	3					
11	3					No Obs
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Saturday of April 16 1853
1	2	4	SW			Begins with light variable
2	2	4		Variable		winds & clear weather.
3	3					
4	4		WSW			8 to 12 Calm with a heavy swell
5	6					from the E SE.
6	6					
7	3		S.W by W ½ W			
8	3					During the night moderate
9	2					
10	1					
11	1					Last part the same with
12	1					clear weather
1	2		W ½ N			
2	3					
3	1					
4	2					
5	2					Bar 30 06 Ther 77
6	2		WSW	NW		
7	2					
8	2					
9	1	4				Forty five days out
10	1	4				
11	3					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					29° 35′				

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Sunday of April 17 1853
1	5		W by N	N by W		Begins with a moderate
2	6					breeze from the N and freshens
3	6	4				to a brisk breeze
4	6	4				
5	6	4		North		8 to 12 a fresh breeze with
6	6	4				light passing clouds. set the
7	7					fore top mast studd sail
8	7					
9	7	4				12 to 4 strong breeze took in
10	8					royals and flying jib
11	8	4				
12	8	4				
1	8	4				Morning a strong breeze
2	8	4		NNE		and clear, took in flog gallant
3	8					sails and reefed topsails.
4	9					
5	9	4				
6	8	4				
7	8	4				
8	8	4				
9						Bar 29 90 Ther 77
10						
11						Forty six days out
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					30° 25′	2 ½ W			36° 00′

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of April 1833
1	7	4	W by N	S by E		Fresh breeze from the N with a heavy swell set light sails &
2	7					
3	6	4		W by		out reefs.
4	6	4		North		
5	6					
6	5					8 to 12 variable winds and
7	6					hazing clouds
8	6					
9	2					12 to 4 light breeze and
10	2					cloudy
11	5		W by S			
12	4					Morning thick and cloudy
1	2					in stg sail, stay sails, gaff
2	4		W by N			topsail. At 5.30 Wind came out
3	2					suddenly from the N with
4	3					great fury, split topgallant
5	1		West	N N W		sails & spanker. Close reefed
6	8		East	West		topsails furled courses and jib.
7	8		N E	S West		Wore ship to the W wind
8	8		N W			reefed to the S W & strong gale
9	8		W N W			
10	2					Last part more moderate,
11	2		N W by W			made sail.
12	2					Forty seven days out
						Bar 29 90 Ther 77

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of April 1833
1	4		N W by W	S W by W		First part more moderate
2	4					set main topgallant sail
3	4					
4	4					4 to 6 in topgallant sails and
5	5		W N W	S West		stay sails
6	5					
7	5					6 to 8 breeze freshens to a fresh
8	5					gale closed reefed the fore topsail
9	4					double reefed the main, and
10	4					furled the mainsail.
11	4					
12	4					12 to 4 wind increased to a
1	3					heavy gale, hauled down the
2	3					jib and reefed the foresail.
3	3					
4	3					
5	3					Last part more moderate
6	2					
7	2					
8	2					Bar 30 30 Ther 68
9	2					
10	3					
11	3					Forty eight days out
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					29 50				33° 15′

JOURNAL *from* Calcuttia *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednes day of April 20 1853*
1	3		Wby N	SSW		First part a moderate breeze from the SSW and clear with a heavy swell from the SW
2	3					
3	3					
4	3					
5	3		Wby N			4 to 8 more moderate made sail.
6	3					
7	3					
8	2	4				8 to 12 more moderate set all sail.
9	3					
10	3					
11	3					
12	0		Calm			Morning calm at 7 A. M. a light breeze sprung up from the N.
1	0					
2	0					
3	0					
4	0					At day light saw the light land bearing [illegible] the NNW about [illegible] Natal.
5	0					
6	0					
7	0					
8	2		WSW	North		Last part set starboard stud sails
9	2					
10	2					
11	3					Bar 30 40 Ther 70
12	3					49 days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					30° 32'				31° 49'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thurs day of April 21 1853*
1	4		WSWbW	ENE		Begins with a light breeze from the ENE and freshens to a brisk breeze. set starboard stud sails.
2	5					
3	6					
4	6	4				
5	6	4				
6	6	4				
7	7		WSW			8 to 12 strong breeze and clear
8	7					
9	8					
10	8	4				
11	9					
12	9			NEbyE		Morning fresh breeze and clear
1	10					
2	10					
3	10					
4	10					Last part much the same & split in sight of the Port quarter
5	9					
6	9					
7	8	4				
8	8	4				
9	8					Bar 30 20 Ther 74
10	8					
11	8					Fifty days out
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	199	2° 36'	118.08	33° 08'	33° 16	2½ W	2° 20'	29° 29'	29° 12'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Friday day of April 22 1853
1	6		West	NNE		First part a light breeze
2	5					from the N & E and clear
3	3					weather
4	2					
5	1					At 5 PM wind mauled to
6	4			SSW		the SSW & freshened took in all
7	6					studd sails and royals
8	6					Land in sight to the W
9	4					
10	2					8 to 12 moderates to a light air
11	1					with a heavy swell from the
12	1					S
1	2					
2	2	4		SSE		12 to 4 the same
3	3					
4	4					
5	4	4	W by N	ESE		Morning wind veers to the
6	4	4				ESE set Starboard studd sails
7	5					
8	6					Bar 30 20 Ther 73
9	5					
10	5					
11	5					Fifty one days out
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
W 1/4 N	92	1° 17'	1° 20'	34 33	34° 29'	2 1/2 W	2° 39'	26° 40'	26° 43' E

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of April 23 1853
1	0		N by W	East		Begins with a light air
2	2			to		from the SSE, took in Starboard
3	4			SE		studd sail
4	7	4				
5	7	4				During the night moderate
6	7	4				breeze and cloudy with a
7	6					squally appearance
8	5					
9	4					
10	3					Morning much the same
11	3					
12	3					
1	1					
2	2					
3	3					Bar 30 23 Ther 73
4	4					
5	4		WNW			
6	3			ESE		Fifty two days out
7	6					
8	7					
9	8					
10	9					
11	9	4				
12	9	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	120	21	142	34 50	34 53	2 1/2	2 22	24° 02	23° 52

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sund day of April 23 1833*
1	9	4	NWbyW	SEbyE		First part a strong breeze from the SE and clear weather.
2	9	4				
3	9	4				
4	9	4				8 to 12 moderate to a light breeze at 11.30. thick clouds from the W: in all Stud sails.
5	7					
6	8					
7	8					
8	8					
9	6		NWbyWsW			Morning wind veers to the NE with thick fog.
10	3					
11	3					11 AM sounded in 45 fathoms
12	2		NWbyWsW			
1	2			ESE		Last part light variable winds and cloudy, took in all Stud sails.
2	3			E		
3	4		WNW	NE		
4	4					
5	3	4	NWbyWsW			We are now of the pitch of the Cape of Good Hope, and must be prepared for bad weather
6	3	4				
7	3	4				
8	3	4				
9	2					Bar 30 04 Ther 69
10	2					
11	0					Fifty three days out
12	2		SSW			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
West	118	0.01	117.9	34.52	34°33	2 1/4 W	2° 24'	22.06	22° 00'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of April 23 1833*
1	3	4	SbyW	WsW		First part light breeze from the W and a cloudy sky.
2	3	4				
3	3	4				
4	3	4	SSWbyW	WbyN		Land in sight bearing NbyE per compass.
5	3					
6	3					
7	3					
8	3					Morning the same, two sails in sight of the starboard quarter one off the starboard
9	2		WSW			
10	2					
11	3					
12	2		SWbyW			
1	2					
2	2					Bar 30 06 Ther 66
3	1					
4	0					
5	2		WbyS			
6	2					Fifty four days out.
7	2					
8	2					
9	3	4	SSWsW			
10	3	4				
11	2		SbyW			
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SbyW	40	1°02'	23	36°50'	35 36	2 1/4 W	0°28'	21 37	21°43'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of April 26 1853
1	2	4	SW½W	N NW½W		Begins with a light breeze from the N&W and a light cloudy sky
2	2					
3	2					
4	1	4				
5	1		W SW			8 to 12 calm
6	1					
7	0					12 to 4 moderate breeze sprung up from the SE
8	0					Set all studd sails
9	0					
10	0					
11	0					
12	0					Last part a strong breeze with light rain.
1	1	4	NW	S East		
2	3					
3	5					Bar 30 02 Ther 68
4	6					
5	6					
6	6					
7	7					
8	7	4	NW½W			
9	8	4				
10	8	4	NW			
11	9					
12	9					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
WNW	86	78 3	17 35	38°29'	38 36	2½ NW	1.44'	26°08'	26°07'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday day of April 27 1853
1	9	4	NNW½W	East		First part a strong breeze from the E and light passing clouds with a heavy head sea
2	9	4				
3	9					
4	9		NNW			
5	8	4		E NE		At 7 veers to the N veers to the W and moderate to a calm in all studd sails, thick dark clouds with faint lightning
6	8					
7	8					
8	0		Calm			
9	0					
10	1		NNW½W			8 to 12 calm with light clouds
11	1					
12	1					
1	1	4	WSW			Upcorners a strong breeze from the N with a heavy swell four vessels in sight standing to the W
2	1					
3	3					
4	3		W½W			Last part a strong breeze took in all light sails and single reefed the topsails
5	3			N by W		
6	4	4				
7	5	4				
8	6					Bar 30. Ther 63
9	6		West			
10	6					Fifty six days out
11	6	4	WNW			
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
WSW	94	24	94 7	38 42	38 30	2½ NW	1.57	18 07	18 13'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thurs day of April 18 53*
1	3		W by N			Begins with a strong breeze
2	5					from the NNE. and squally
3	4	2				doubled reefed the topsails and
4	4	4				reefed the mizen sail
5	4					
6	4					During the night a strong
7	4		W by N			and squally with rain
8	4					
9	3		W by N			Morning more moderate
10	3					with light flapping clouds
11	3		West			let one reef out of topsails and
12	3					set top gallant sails and spanker
1	3		W by S			and reef out of the main sail
2	3					two ships in sight standing
3	3					to the W.
4	3					
5	3		SW by W			Bar 30 Ther 63
6	4					
7	5					
8	5		W S W			Fifty seven days out
9	5					
10	5		SW by W by W			
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by W 3/4 W	9 6	64.3	43.8	36° 34′	36° 22′	2 pts W	1° 12	16 32	17° 31′

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Friday day of April 29 18 53*
1	5		SW by W by W; NW			First part a brisk breeze from
2	5					the NW and fine weather shook
3	5					all reefs out & topsails and set
4	5		NW by E 1/4 E			the flying jib & staysails.
5	5					
6	5		NE by N by N			8 to 12 moderate breeze and squally
7	4					with rain in squalls.
8	4		NE by E			
9	4		NE by E by N			
10	5					Morning light breeze and clear
11	5					set the royals.
12	4					
1	4					
2	4					Bar 29 90 Ther 64
3	3					
4	3					
5	4		W S W	N W by N		
6	4					Fifty eight days out
7	4					
8	3	4				
9	5					
10	6					
11	6					
12	6	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					30° 3′				17° 53

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of April 3d 1833
1	5		NE by N	NW by N		Begins with a strong breeze from the NW & cloudy
2	4	4				
3	4					
4	4					Sails and single reefed topsails
5	4		NE by N			
6	4					4 to 6 increases to a fresh gale
7	3		W by N			double reefed topsails and reefed
8	3					mainsail hauled sparker
9	3		West	N by W		and mizzen staysail. three
10	2	4				vessels in sight standing to the W
11	2	4	W by N			
12	2	4				6 to 8 freshens to a strong gale
1	2	4				with heavy squalls. close reefed
2	2	4				the fore topsail reefed the foresail
3	2	4	W by S			and hauled down the jib
4	2	4				
5	2	4	W by W	W by S		During the night the same
6	2					
7	4		N by W by W			Morning more moderate
8	3					made sail.
9	3	4	N by W			
10	6					Bar 30 Ther 61
11	6		N by W			
12	6	4				Fifty nine days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by W	93	28	95	33°02	35°04'	2½ pts W	3 0	16 43	16°44'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Sunday day of May 1st 1833
1	6		North			First part a brisk breeze
2	6					from the N & W set all sail
3	6					
4	6		NE by E ½ E			8 to 12 moderate breeze and
5	6					passing clouds
6	6					
7	4	6				
8	3		N by W			Morning light airs & clear
9	4					with a heavy swell from the
10	4					West saw a Bark standing
11	3					to the West
12	4	4				
1	3	4	North			Last part more moderate
2	3	4				
3	2					
4	2					Bar 30 10 Ther 63
5	1		N by W			
6	1	4				
7	2					Sixty days out
8	2		N E by E ½ E			
9	2					
10	2		N E ½ E			
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by W	86	82	10	35° 40	33°42	2 pts	13	16 32	16 27

JOURNAL *from* Gaeta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of May 2nd 1853*
1	2		E by E	N by W		Begins with a light breeze from the N & W and clear weather
2	2					
3	2					
4	2		N E by E			8 to 12 calm and clear
5	2					
6	2					12 to 4 moderate breeze sprung up from the N & W and clear
7	1	4	E by E			
8	1	4				
9	0		Calm			Morning a light breeze from the N & W, 3 sails in sight standing to the W at 8.30 boarded with the Ship Rose Island from Boston
10	0					
11	0					
12	0					
1	3		N East			
2	4					
3	5					Bar 30 10 Ther 63
4	4		N N E by E	N W		
5	3					
6	3					Sixty one days out
7	3					
8	3		N E by E			
9	3					
10	3		N E by N			
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N E.	62	10	3.0	32°36′	32 34	2 pts W	[illegible]	16°22	16°27′

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Tuesday day of May 3rd 1853*
1	3	4	N N E	N W		First part a moderate breeze from the N & W and fine clear weather
2	3	4				
3	3	4				
4	3	4				
5	4					During the night a moderate breeze from the N and flying clouds
6	4					
7	6					
8	5					
9	4		N E by E			At 4 A.M. hauled to the W in royals.
10	5					
11	5		N E by E by E			
12	5					Morning a brisk breeze from the N W and cloudy with rain.
1	5					
2	5					two vessels in sight standing to the W, at 8 A.M. hauled to the N E.
3	5		E N E			
4	5					
5	5		W N W	North		at 10 a.m. set foretopsl and sail
6	5	4				
7	5	4				Bar 30 16 Ther 64
8	5					
9			N N W	N E		
10						Sixty two days out
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					31′ 02				16 34

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday of May 4th* 18-3
1	9		NNW	ESE		Begins with a fresh breeze from the S & W with [illegible] clouds
2						
3	9	4				
4	8	4				
5	8					at ½ set lower stud sails
6	8			SE		
7	8					During the night a fresh breeze and clear, set the
8	8					
9	8		NNW½W			starboard after stud sails
10	8			SbyE		
11	8					
12	8			South		Morning the same the Dutch barque in sight off the Larboard quarter
1	8	4				
2	8	4				
3	8	4				
4	8	4				Last part the same
5	8	4	NWbyN			
6	8	4				
7	8	4				Bar 30 28 Ther 63
8	8	4		SSE		
9	8	4	NNW½W			
10	8	4				Sixty three days out
11	8	4				
12	8	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NNW½W	201	114.01	164.09	29 08	29 08	2½W	190	13 24	13 30

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thurs day of May 5* 18 53
1	8	4	NbyW	SE		First part a fresh breeze
2	8	4				from the S E and light [illegible]
3	8	4				clouds. Shifted the fore topsail
4	8	4				
5	8	4				During the night a strong
6	8	4				breeze with [illegible] clouds
7	8	4				
8	8	4				
9	9		NNW½W			Morning the same.
10	9					
11	9					
12	9					
1	9	4				Bar 30 24 Ther 64
2	8	4				
3	8	4				
4	8	4				
5	8					Sixty four days out
6	8					
7	8		NWbyN			
8	8					
9	8		NNW½W			
10	8					
11						
12	7	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NNW½W	93	86.3	17.8	27 18	27 30	2½W	2 32	10 42	10 48

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Friday *day of* May 6th 1833
1	7	4	N.N.W.½W.	S.S.E.		Begins with a fresh breeze
2	7	4				from the S.and E. and clear weather
3	7					
4	7					
5	7					
6	10		N.W.by.N.			Diging the night got under
7	7	4				~~weigh~~ a strong breeze and passing
8	8					clouds
9	9					
10	9		N.N.W.½W.			Last part the same
11	9					
12	9					
1	9					
2	9					
3	9					Bar 30 12 Ther 67
4	9					
5	9					
6	7					
7	7					Sixty five days out
8	7					
9	8	4	N.N.W.½W.			
10	8	4				
11	8	4				
12	8	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N.N.W.½W.		135	154.7	23° 32.	23° 40	2pt W.	2° 32'	7° 56	7° 41'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Saturday *day of* May 7th 1833
1	9		W.by.N.	S.S.E.		First part a fresh breeze from
2	9					the S.S.E. and fine weather
3	9					
4	9					8 to 12 strong breeze and clear
5	9					
6	9					
7	9					Morning the same two ships
8	9					in sight steering to the N.E.by.E
9	9					
10	9					
11	9					
12	9					Bar 30 24 Ther 76
1	9					
2	9					
3	9					Sixty six days out
4	9					
5	9					
6	9					
7	9					
8	9					
9	8					
10	8					
11	8	4				
12	8	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N.W.by.N.	213	2° 02	200	23. 40	23 54	2pt W.	3° 13'	7° 38'	4° 25'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of May 8th* 1833
1	8	4	NNW by N	SE by S		Begins with a fresh breeze
2	8	4				from the SSE and clear weather
3	8	4				
4	8	4				
5	8	4	NNW p/w			During the night a light
6	8	4				breeze and passing squalls
7	9					
8	9	4				
9	9					Last part a fresh breeze and
10	9					clear.
11	9					
12	9		"			
1	9					
2	9					Bar 30 24 Ther 69
3	9					
4	9					
5	8		"			
6	8					Sixty seven days out
7	8					
8	8					
9	9					
10	9		"			
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NNW/4W	207	2° 09'	161.5'	22.09	22° 07'		2.33'	1.39'	2.06 E.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of May 9* 1833
1	7		NNW	SSE		First part a moderate
2	7					breeze from the SSE and
3	7					fine weather
4	7					
5	8					
6	8					
7	7	4				During the night the same
8	7	4				with ~~like weather~~ passing
9	7					clouds.
10	7			SSE p/E		
11	7					
12	7	3				I am in hopes to be home
1	7	4				now before Independence day, and
2	7	4				you cannot imagine with how
3	7	4				much pleasure I am looking
4	7	4				foward to on my arival home.
5	7	4				
6	7	4				
7	7	4				Bar 30 20 Ther 70
8	7	4				
9	7	4				Sixty eight days out
10	6	4				
11	6	4				
12	6	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW/4N	175	1.43'	128.3	20° 34'	21 07		2.20	0.14	0.18 W

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of May 10 1833
1	6		NNW½W	SE		First part a moderate breeze
2	6		NNW			and clear weather
3	6					
4	6					
5	6					12 to 4 light breeze and cloudy
6	6					
7	6					
8	4					
9	2					Morning the same
10	3					
11	3					Last part the same
12	6					
1	4					
2	2					
3	3	4				Bar 30 22 Ther 73
4	6					
5	6					
6	4					
7	3					Fifty nine days out
8	3					
9	3					
10	3					
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW½N	133	0.57	1.06	19.07	19.10	2½ NW	1.47	1.52	0°53 West

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, ~~Monday~~ Wednesday day of May 11 1833
1	4		NNW	E by S		First part a light breeze
2	4					from the East and fine clear weather
3	4					
4	4					
5	3					During the night light airs
6	2					and cloudy with variable winds
7	2					
8	2					
9	2					
10	2					Morning moderate and clear
11	2					
12	0					
1	1		NW			
2	1					
3	1		WNW			Bar 30 22 Ther 72
4	1		N E			
5	2		North			
6	2		NNW	SSW		
7	2					Seventy days out
8	2					
9	0					
10	2					
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW½N	49	0.25	34	18°41'	18 43		33	2°30'	2°33'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Thursday day of May 12 1853
1	6	2	~~N N W~~	E S E		First part a light breeze
2	6	2	N W by N			from the S & E and fine clear
3	6	2				weather
4	6	1				
5	6	1				
6	6	1				8 to 12 light breeze and
7	6	2	~~N W by W~~ ~~N W by W~~			clear
8	4	3				
9	2	2				12 to 4 much the same
10	3	3	N N W	S E		
11	4	2				
12	6	2				Morning much the same
1	4	2				
2	5	2,4				
3	5	2,4				Last part moderate and clear
4	6	2				
5	6	3				
6	4	3,4				
7	5	3,4				Bar 30.22 Ther 73
8	5	3,4				
9	5	3				
10	5	3				Seventy one days out
11	5	3				
12	5	3				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N W	~~12~~ 154	40	30	18.01	18.02		0.30	3°00'	3.32

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, ~~Wednesday~~ Friday day of May 13 1853
1	3		N N W	S S E		First part a light breeze
2	3					from the S & E and fine clear
3	3					weather
4	3					
5	3					do 2 light airs and clear
6	3					
7	3		N N W			
8	3					
9	2					Morning light breeze from
10	2		N N W	S E		the S S E and clear,
11	2					
12	2					
1	2					
2	2					Bar 30 18 Ther 72
3	2					
4	3					
5	3					
6	3					Seventy two days out
7	4					
8	4					
9	3	4				
10	3	4	N N W ½ W			
11	3	4				
12	3	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					17 18				3° 55

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Saturday *day of* May 14 1833
1		4	NNW ½ W	Sby E		First part a light breeze from
2	4	4				the S and clear
3	4	4				
4	4	4				Got up the port anchor on the
5	4	4				bow & got up 60 fathoms of chain
6	4	4				
7	5	4	NW by W			
8	5					During the night brisk
9	6			Sby W		breeze and clear
10	6					
11	6					At day light saw the Island
12	6					of St Helena bearing N by W per
1	6	4				compass
2	6	4				
3	6	4				At noon came to off Jamestown
4	6					with 45 fathoms of cable
5	6					
6	6					
7	6		NNW	Sby E		Bar 30 20 Ther 76
8	6					
9	6					
10	6					Seventy three days out
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Sunday *day of* May 13 1833
1						
2						At 8 PM weighed anchor and
3						stood out to sea after taking
4						in water
5						
6						Off duty on account of a sore
7						hand
8						
9						Morning moderate breeze and
10	4					fine clear weather
11	5					
12	5					
1	5					
2	5					Bar 30 20 Ther 76
3	5					
4	5					
5	5					
6	5	4				Seventy four days out
7	5	4				
8	5	4				
9	6	4				
10	6	4				
11	6	4				
12	6	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					15 38				63

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Mond day of May 16 1853
1	6		NW	S E		First part moderate breezy
2	6					and clear
3	3	4				
4	3	4				
5	6		NW by W			During the night the same
6	6					
7	6					
8	6					
9	7					Morning the same
10	7					
11	7					Hd and very painful off duty
12	7					
1	6					
2	6					Ends the same
3	6					
4	6					
5	3	4				
6	3	4				Bar 30 20 Ther 76
7	3	4				
8	3	4	N W			
9	6					
10	6					Seventy five days out
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					14,50				9.25

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of May 17 1853
1	3	4	NW by N	S E		First part a moderate
2	3	4				breeze from the S & E and fine
3	3	4				clear weather
4	3	4				
5	3	4				
6	3	4				During the night the same
7	5					
8	5					
9	5					Off duty
10	3					Morning the same
11	6		N W			
12	6					
1	5					
2	3	4				Ends the same
3	6					
4	6					
5	6					
6	6					Bar 30 20 Ther 76
7	6					
8	6					
9	6					Seventy six days out
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					14 00				11°07'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday day of May 18* 1853
1	4		nbw½n	S E		Begins with a light
2	4					breeze from the S E and
3	4					clear weather
4	4		nbyw			
5	4					
6	4					
7	4		nw			Continues the same through
8	4		nbw½w			the night
9	3					
10	3					Still off duty, hand very painful
11	2					
12	3					
1	3		nw			Last part the same
2	4					
3	4					
4	3					
5	3		nbw½n			Bar 30 20 Ther 76
6	3					
7	4					
8	4					Seventy seven days out
9	4					
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					13° 19'				12, 16

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thursday day of May 19* 1853
1	3		nbw½n	S S E		
2	3			to		Continues light breeze and fine
3	3			E ½ E		weather during the 24 hours
4	3					
5	3					
6	2					
7	2					
8	2					
9	3					
10	4					Bar 30 20 Ther 77
11	4	4	nbw½n			
12	3					
1	4		nbw½n			
2	4					
3	4					
4	4					Still off duty hand no better
5	4					
6	4					
7	4					
8	4					Seventy eight days out
9	4					
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					12, 31				

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Friday day of May 20 1853
1	5		N W	S S E		First part a moderate
2	3					breeze from the S S E and
3	3					fine clear weather
4	3					
5	3	4				
6	3	4				During the night a
7	6					moderate breeze with passing
8	6					clouds
9	5					
10	3					2 Off duty
11	3		N W by W			
12	4					Twelve months from home
1	4		N W			By
2	4					Bar 30 2.2 Ther 77
3	3		N W by W			
4	3					
5	4					
6	4					
7	4					~~Eighty days out~~
8	3					
9	6					Seventy nine days out
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					10, 37 S				17° 44 W

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Saturday day of May 21, 1853
1	6		N W by W	S E		First part moderate breeze
2	6					from the S & E and fine
3	7					clear weather
4	7					
5	7					
6	7					Continues the same through
7	7					the twenty four hours
8	7					
9	7					
10	7					
11	7					Bar 30 30 Ther 78
12	7					
1	6					
2	6					
3	6					Eighty days out
4	6					
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					10° 37 S				17° 44 W

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of May 22 1832*
1	6	4	NNWbyW			First part a fresh breeze
2	6	4				and clear weather
3	6	4				
4	6	4				
5	7					During the night moderate
6	7		NWbyW			breeze and passing clouds
7	7	4				
8	8					
9	7					Last part much the same
10	7					
11	7		NW			
12	7					
1	6					Bar 30.16 Ther 79
2	6					
3	6					
4	6					
5	6					Eighty one days out
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					9.44				79.47

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of May 23 1833*
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of May 24 1853
1	5		NWbyN	SE		First part moderate breeze
2	5					from the SE and fine clear weather
3	5					
4	5					
5	5					The same through the night
6	5					
7	5					
8	6					
9	6					
10	6					
11	6					Morning the same
12	6					
1	6					
2	6					
3	6					
4	6					SB
5	6					Bar 30 13 Ther 81
6	6					
7	6					
8	6					
9	6					Eighty three days out
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NbyW	107	1'28'	109	7°06'	7 18		1°43'	23 34'	23 42 7°48'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Wednesday day of May 25 1853
1	6		NWbyN	SE		First part moderate breeze
2	6					and clear
3	6					
4	6					
5	6					
6	6					During the night ~~moderate~~ fresh
7	6					breeze and passing clouds
8	6					
9	6	4				
10	7					
11	7					
12	7					Morning the same
1	7					
2	7					
3	7					Bar 30 13 Ther 81
4	7					
5	7					
6	7	4				
7	7	4				Eighty four days out
8	7	4				
9	7	4				
10	7	4				
11	7	4				
12	7	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NbyW	163	1135.3	1,32'	8°29'	11.35.9	1hW	116	23°38'	23.36

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thurs day of May 26 1853*
1	6		NWbyN	SE		Begins with a moderate breeze
2	6					and clear weather
3	6					
4	6					
5	6					During the night much the
6	6					same
7	6					
8	6					
9	6					Morning saw a Brig standing
10	6					to the S
11	6					
12	6					
1	6					
2	6					Last part the same
3	5					
4	5					thirty miles southerly current
5	5					
6	5					Bar 30.15 Ther 84
7	6					
8	6					
9	6					Eighty five days out
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW	148	1°00	100	4.30	4°38		1,32	27 28	27°33'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Faiday day of May 27th 1853*
1	7		NNW½W	SE		The first part a brisk breeze from
2	7					the SE & fine clear weather
3	7					saw a bark standing to the S
4	7			SEbyE		
5	7					
6	6					During the night a moderate
7	6					breeze and passing
8	6					
9	6					
10	7					
11	7					Morning the same and clear
12	7					
1	6	4				
2	6	4				Bar 30.13 Ther 82.
3	6					
4	6					
5	6		NNW			
6	6					Eighty six days out
7	6					
8	6					
9	7					
10	7					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW 3/4 N	158	128	96	2.33	2.39		9.14	29.20	29 42

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of May 18 1833
1	5		NNW by N	SE by E		Begins with a light breeze from the SE and fine clear weather
2	4	4				
3	4	4				
4	4	4	NNW			
5	4			SE		
6	4					
7	4		NW by N			We have just finished tarring down and I am heartily
8	4					glad of it
9	4	4				
10	4	4				
11	4	4				
12	4	4				
1	4	4				
2	4	4				
3	4	4				
4	4	4				
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					Eighty eight days out
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Saturday day of May 29 1833
1	6		NNW	SE		First part a moderate breeze from the SEast and fine clear
2	6					weather
3	6					
4	6					
5	6					
6	6					
7	6					During the night a brisk
8	6					breeze and clear
9	6					
10	6					
11	6					
12	6					Bar 30 14. Ther 82.
1	7					
2	7	4				
3	8					
4	8					
5	7		NW by N			Eighty seven days out
6	7					
7	7					
8	7		NNW by W			Longitude by Lunar Observation
9	7					31. 24' at noon
10	7		NW by N			
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW 3/4 N	183	123.9	93.9	93 3/4	0.448		144	31.20	31.24

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of, may 29 18.53*
1	4		NWbyW	SE by E		Begins with a light breeze from
2	4	4	N.NW	SE		the SE & fine, clear weather
3	4	4				
4	4	4				
5	4					During the night veers East
6	4					
7	4		NWbyN			
8	4					Last part ends the same
9	4	4				saw a barque standing to the West
10	4	4				
11	4	4				
12	4	4				Bar 30 16 Ther 82
1	4	4				
2	4	4		ESE		
3	4	4				
4	4	4				
5	4					Eighty eight days out
6	4					
7	4	4				
8	4	4				
9	4		N.NW			
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW¾W	108	1°20'	64	0.36	0°43'N	3/4 W.	1°04	32°36'	32°37'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Monday day of May 30 1853*
1	4		NWbyN	ESE		First part a light breeze
2	4					and passing clouds
3	4					
4	4					
5	4		NW			During the night the same
6	4					
7	4		NWbyN			
8	4					
9	4					Last part much the same
10	5		NNW	SE		
11	4					
12	4					
1	3	4				Bar 31 12 Ther 81
2	3	4				
3	3	4				
4	3	4				
5	4			SbyE		Eighty nine days out
6	5					
7	4					
8	4		NNW½W			Longitude by Lunar Obs 33. 39
9	4	4				
10	4	4				
11	4	4				
12	4	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW3/4W	98	1.30	.93	2.13	2°13'N	3/4 W	0.4	33.33	33.39

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, May 31 day of Tuesday 1833*
1	6		NNW½W	W		During the night a fresh
2	6			SSW		moderate breeze and clear
3	6					fine weather
4	6		NNW			
5	6					
6	6					During the night a moderate
7	7					breeze and passing clouds
8	7					
9	7					
10	7					
11	3					Morning much the same
12	3			E by S		
1	3		N W by N			
2	6					
3	6					
4	3		NNW	SW		
5	3					Bar 30 15 Ther 82
6	3					
7	4					
8	4					
9	4	4				Ninety days out
10	4	4				
11	4	4				
12	4	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NNW½W	133	1.°37′	.68	4.11	4°10′N.	3/4 NW	1.38	34.47	34.3 W

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday day of June 1st 1833*
1	3		NNW½W	SSE		Begins with light variable
2	3					winds and rain
3	2					
4	3		NNW			
5	3					
6	0					During the night the same
7	2					
8	2					
9	1		N E by N			
10	1					
11	1					Bar 30 12 Ther 78
12	0		NNW			
1	1					
2	2		W by S			
3	3					
4	3		NNW			Ninety one days out
5	2					
6	1					
7	2					
8	1					
9	2		S W by W			
10	1	4				
11	3		N by E			
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NNW½W	48	39.	26.2	4°49′	5°00′	3/4 NW	.08	34.30	34.30 W

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thurs day of June 2nd 1833*
1	4		NNW ~~WbN~~			First part a light breeze and
2	3					cloudy
3	3		NbyE	Variable		
4	2					
5	2					During the night the same
6	1					
7	2		NNW			
8	2					
9	3		North			
10	3					
11	3					
12	2					
1	2		NbyE½E			
2	3					
3	4					
4	4					
5	5					
6	5					
7	5					
8	6					
9	6					
10	6					
11	6					Ninety two days out
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NbyE½E	48	1.06	0.20	6°06'	4°08		27'	34.39	34.23

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Friday day of June 3rd 1833*
1			NNE	NW		Begins with light airs and
2	1	¼				clear weather
3	1	¼				
4	1	¼				
5	1	¼				
6	1					At 6 & 12 a light breeze sprung
7	1					up from the NE set starboard
8	0		Calm			both sails.
9	0					
10	1		NWbyN	NE		
11	2					
12	2					
1	3		NbyW			Last part, moderate breeze and
2	3					cloudy.
3	3					
4	4					
5	4					
6	4					
7	5		NWbyW			
8	5					Ninety three days out
9	5					
10	6	¼				
11	6	¼				
12	6	¼				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NbyW¼W	70			6.28	6°32'				33°01'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Saturday day of June 4th 1853*
1	7		NW by N	N E by E		Begins with a brisk breeze
2	7					from the N & E with light
3	7					showers of rain.
4	7					
5	7					
6	7					
7	7		NW.			
8	8					During the night the wind
9	8					freshens to a fresh breeze
10	7		NW by W			
11	8	4				
12	9					
1	9					
2	9					Morning the same
3	9					
4	9					
5	9					
6	9					Last part the same
7	9					
8	9					
9	9					Bar 30 19 Ther 82
10	9					
11	9					Ninety four days out
12	9					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					7. 44				38. 04

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Sunday day of June 5th 1853*
1	8		NW by W	N E		Begins with a fresh breeze
2	8					from the N & E with passing
3	8					squalls
4	8					
5	8					
6	8	4				Continues the same with
7	8	4				occasional showers of rain
8	8	4				
9	9		NW			
10	9					
11	9		NW by W			Bar 30 19 Ther 79
12	9					
1	8					
2	8	4				
3	8	4				
4	8					Ninety five days out
5	8					
6	8					
7	8					
8	8					
9	9					
10	9					
11	9					
12	9					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					9° 31'				40 33

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Monday day of June 4th 1833
1	8		NW	ENE		First part a fresh breeze
2	8					from the ENE with passing
3	8					squalls and rain
4	8					
5	8			East		
6	8					At 4 set lower studsail
7	8					
8	8					
9	8					During the night a fresh
10	8					breeze and passing squalls
11	8	4				
12	8	4				
1	8					Morning the same
2	8					
3	8	4				
4	8	4				
5	8					
6	8					Bar 30.02 Ther 80
7	8					
8	7	4				
9	8					
10	8					Ninety six days out
11	9					
12	9					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
nWbyW	196	1°45'	140	11.°73'	11.°17'		2.°25'	43.31.	43.41

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Remarks, Tuesday day of June 4th 1833
1	8		NbyW	ENE		Begins with a fresh breeze from
2	8					the ENE and squally with
3	8					rain
4	8					
5	8					During the night a strong
6	8	4				breeze with rain
7	8	4				
8	8	4				
9	9					Last part the same
10	8	4				
11	8					
12	8	4				
1	9					
2	9					
3	9					Bar 30 15 Ther 81
4	8	4				
5	8	4				
6	8	4				
7	8	4				Ninety seven days out
8	8					
9	9					
10	9					
11	8	4				
12	8	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
nWbyW	209	1°33'	174	13.10	13.°03'	1/2 pt W	2.°02'	46.29	46.°26'

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Wednesday of June* 1833
1	8		NW	E by E		First part a brisk breeze
2	8					from the E and fine clear
3	8					weather
4	8					
5	7					
6	7					
7	7	4				During the night more
8	7	4				moderate
9	7	4		East		
10	7	4				
11	7					If this wind holds, we hope to
12	6	4				be fast along side of some
1	7					wharf in Boston city, in less than
2	7					twenty days.
3	8					
4	8					
5	7	4				
6	7	4		E S E		Bar 30 20 Ther 87
7	7	4				
8	7	4				
9	8					
10	8					Ninety eight days out
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by W	181	1°48'	140	13.30	4°30'		2.03'	4 48 30	118°29'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks, Thurs. day of June* 1833
1	7		NW	East		Begins with a brisk breeze
2	7					from the E and fine clear
3	7					weather
4	7					
5	7					
6	7					During the night the same
7	8					with flying clouds
8	8					
9	8					
10	8					Last part clear
11	8					
12	8					
1	8					Bar 30 25 Ther 81
2	8					
3	8					
4	8	4				
5	8	4				Ninety nine days out
6	8	4				
7	8	4				
8	9					
9	9					
10	9					
11	9					
12	9					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW b W	176	2'04'	148'	16.37'	18°42'		2°8.5'	5.0.3'	5050

JOURNAL *from* Calcutta *towards* Boston

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Friday *day of* June *to* 1853
1	8	4	N W	East		A brisk breeze from the E and fine clear weather through
2	8	4				the day
3	8	4				
4	8	4				
5	8	4				At 2 P M saw a sail standing
6	8	4				to the Sth
7	8					
8	8					
9	8	4				
10	8	4				Bar 30.26 Ther 81
11	8	4				
12	8	4				
1	8					
2	8					One hundred days out
3	8					
4	8					
5	8					
6	8					
7	8					
8	8					
9	8					
10	8					
11	7	7				
12	7	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Obs.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N W by W	197	2°01'	136	18.46	1843	2 pts W	2°20'	33°29'	33°24'

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	*Remarks,* Saturday *day of* June 18 1853
1	7		N W by N	E by N		Begins with a brisk breeze and
2	7					fine weather
3	7					
4	7					
5	7					During the night and morning
6	7					the same
7	8					
8	8					
9	8		N W			
10	8					
11	8					
12	8					
1	8		N W by N			
2	8					
3	8					
4	8					
5	6					
6	6					
7	6					
8	7					
9	8					
10	8					
11	8	4				
12	8	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N W by W	187	35'	130	28 41'	2833	2 pts W	1°39'	33°28	33°29